CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE OBION RIVER (NORTH FORK) WATERSHED

4.1. BACKGROUND. This chapter is organized by HUC-12 subwatershed, and the description of each subwatershed is divided into four parts:

i. General description of the subwatershed
ii. Location of USGS (United States Geological Survey) gaging stations and STORET sites.
iii. Location of permitted activities
iv. Description of nonpoint source contributions

The HUC can range from 2 to 16 digits long, more digits indicating a smaller and smaller portion of the watershed is represented. The Tennessee Portion of the North Fork Obion River Watershed (HUC 08020202) has been delineated into thirty-seven HUC-12 subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 2.0 (developed by Tetra Tech, Inc for EPA Region 4) released in 2003.

WCS integrates with ArcView® v3.x and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 2001 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

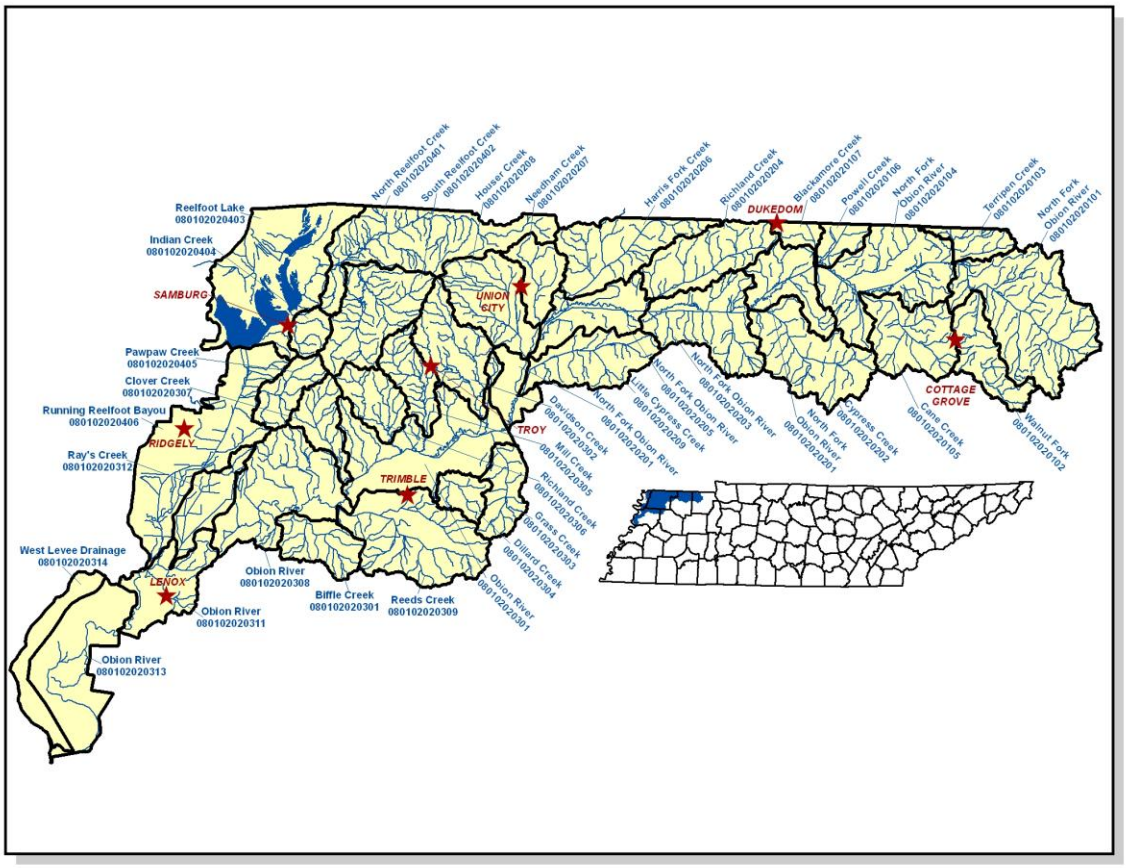

Figure 4-1. The Tennessee Portion of the North Fork Obion River Watershed is Composed of thirty seven USGS-Delineated Subwatersheds (12-Digit Subwatersheds).

4.2. CHARACTERIZATION OF HUC-12 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the North Fork Obion River Watershed.

HUC-8	HUC-10	HUC-12
08010102	0801020201	080102020101 (North Fork Obion River)
		080102020102 (Walnut Fork)
		080102020103 (Terripen Creek)
		080102020104 (North Fork Obion River)
		080102020105 (Cane Creek)
		080102020106 (Powell Creek)
		080102020107 (Blackamore Creek)
	0801020202	080102020201 (North Fork Obion River)
		080102020202 (Cypress Creek)
		080202020203 (North Fork Obion River)
		080202020204 (Richland Creek)
		080202020205 (North Fork Obion River)
		080202020206 (Harris Fork Creek)
		080202020207 (Needham Creek)
		080202020208 (Houser Creek)
		080202020209 (Little Cypress Creek)
		080202020210 (North Fork Obion River)
	0801020203	080202020301 (Obion River)
		080202020302 (Davidson Creek)
		080202020303 (Grass Creek)
		080202020304 (Dillard Creek)
		080202020305 (Mill Creek)
		080202020306 (Richland Creek)
		080202020307 (Clover Creek)
		080202020308 (Obion River)
		080202020309 (Reeds Creek)
		080202020310 (Biffle Creek)
		080202020311 (Obion River)
		080202020312 (Ray's Creek)
		080202020313 (Obion River)
		080202020314 (West Levee Drainage)
	0801020204	080202020401 (North Reelfoot Creek)
		080202020402 (South Reelfoot Creek)
		080202020403 (Reelfoot Lake)
		080202020404 (Indian Creek)
		080202020405 (Pawpaw Creek)
		080202020406 (Running Reelfoot Bayou)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. *NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.*

4.2.A. 080102020101 (North Fork Obion River).

4.2.A.i. General Description.

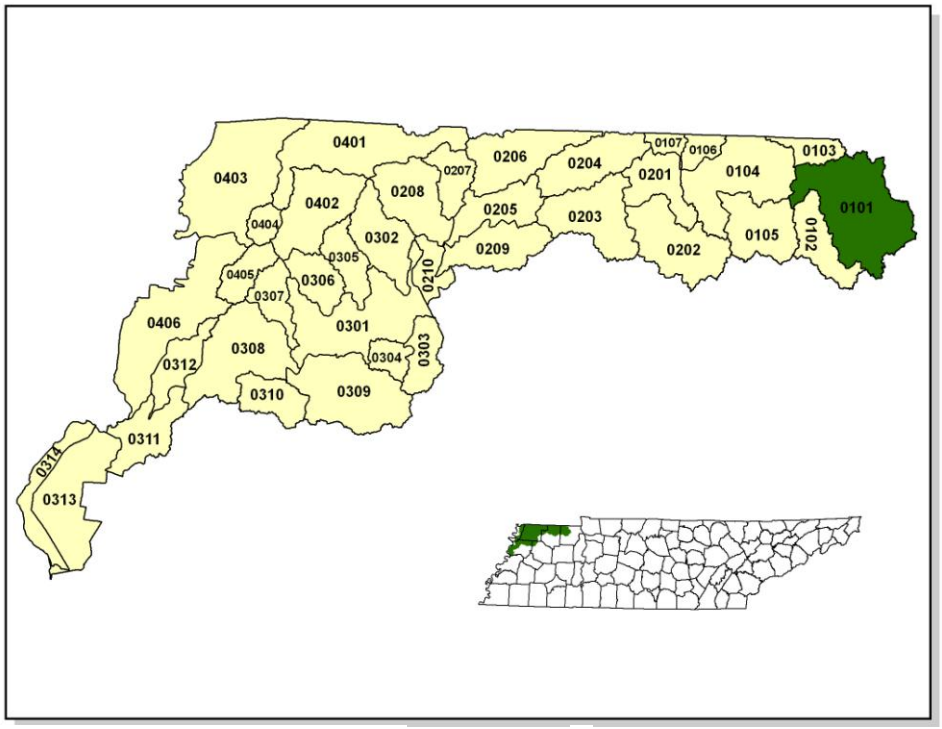

Figure 4-2. Location of Subwatershed 080102020101. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

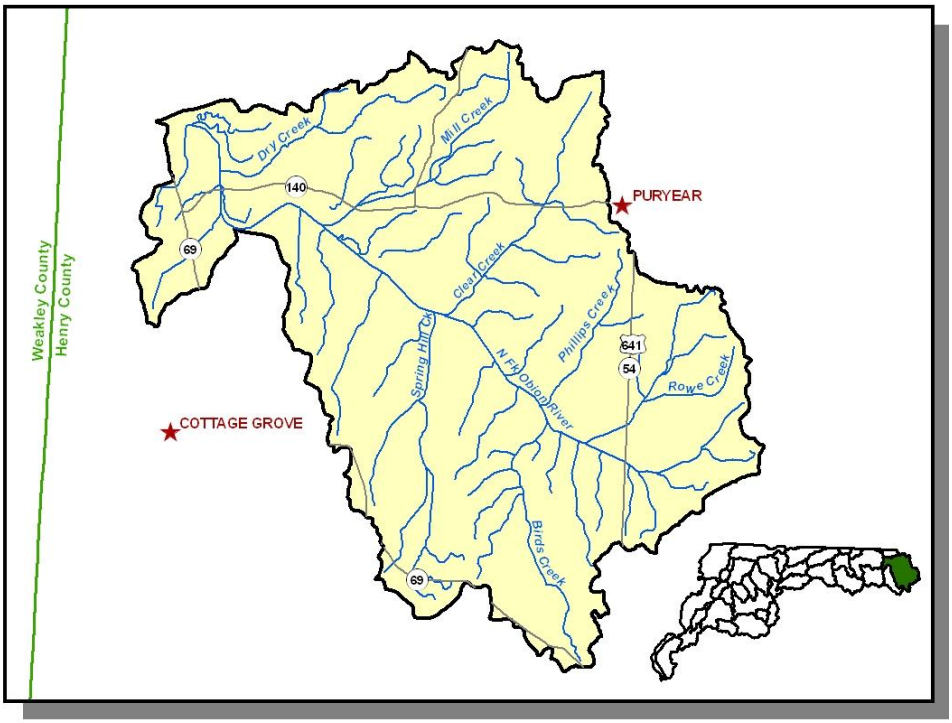

Figure 4-3. Locational Details of Subwatershed 080102020101.

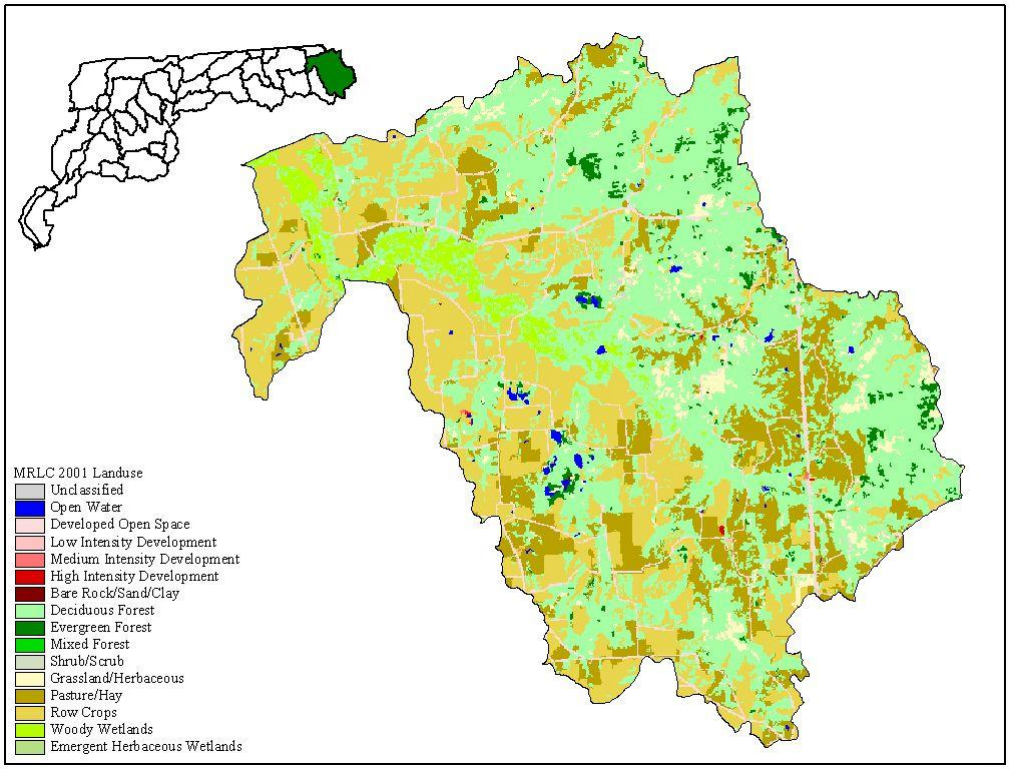

Figure 4-4. Illustration of Land Use Distribution in Subwatershed 080102020101.

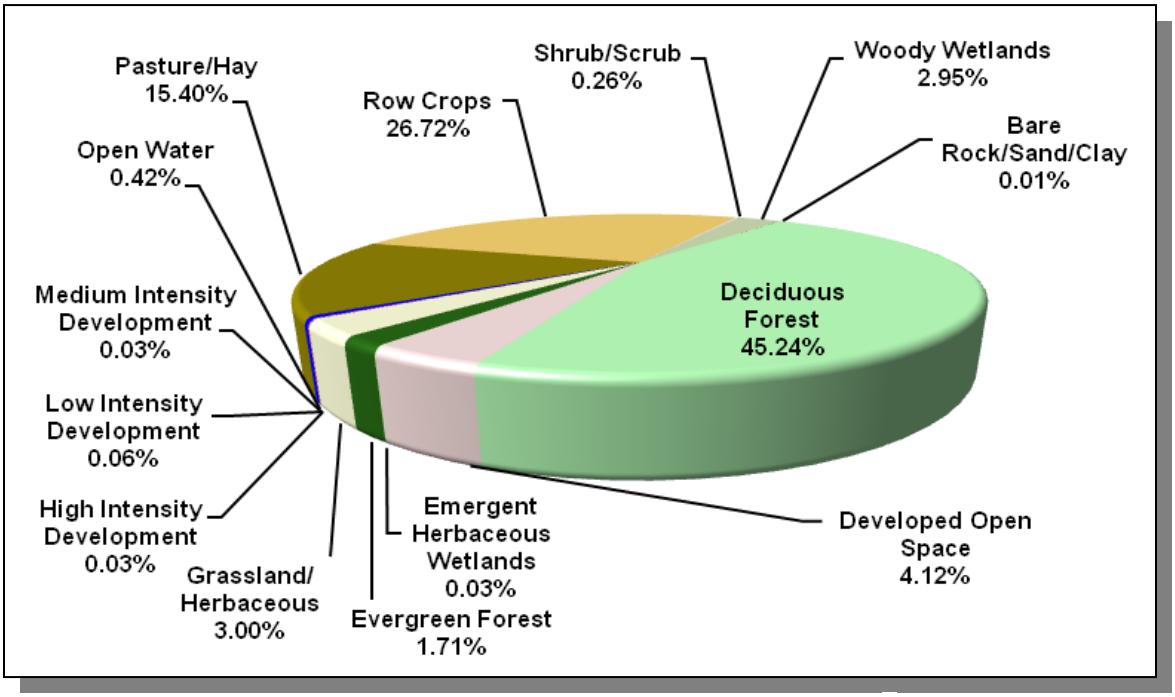

Figure 4-5. Land Use Distribution in Subwatershed 080102020101. *More information is provided in Appendix IV.*

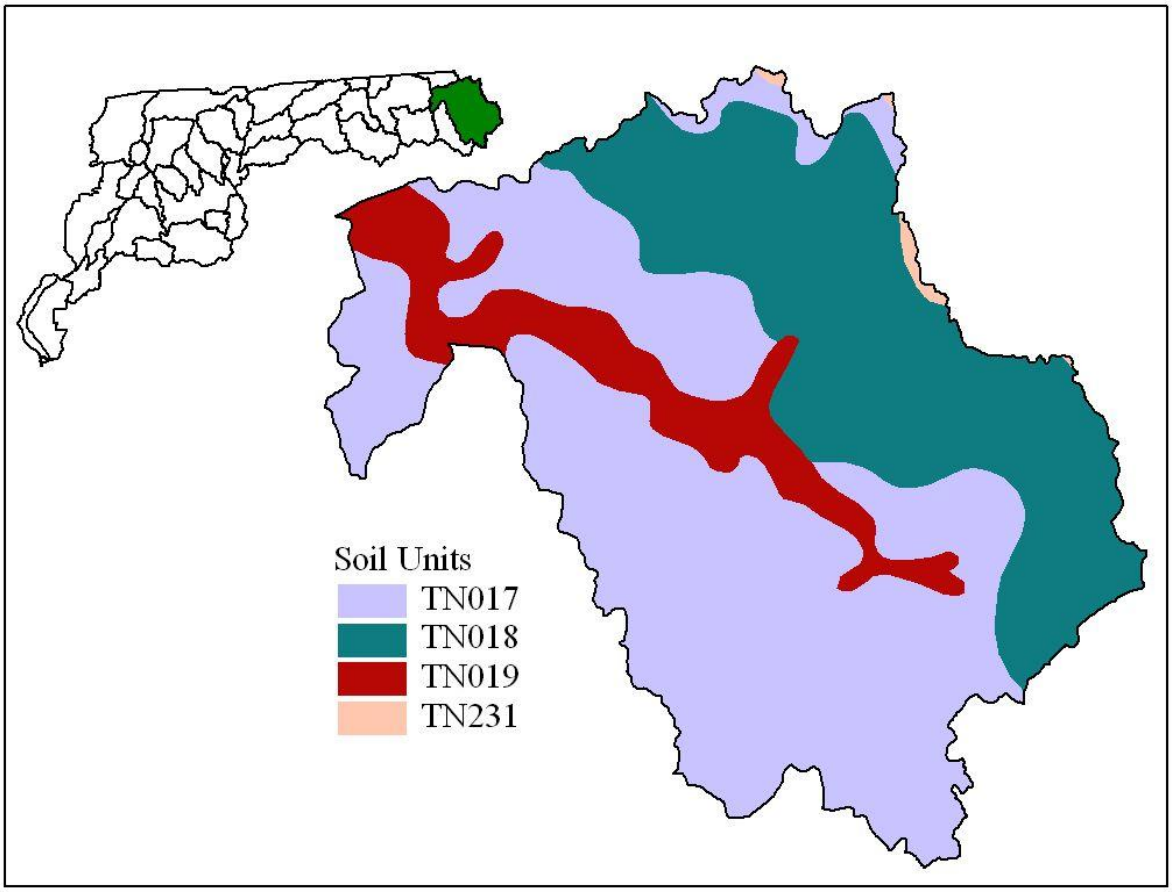

Figure 4-6. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020101.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN018	4.00	B	2.62	5.10	Loam	0.38
TN019	62.00	C	1.54	4.76	Loam	0.26
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020101. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Henry	27,888	29,830	31,115	11.4	3,179	3,400	3,547	11.6

Table 4-3. Population Estimates in Subwatershed 080102020101.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Puryear	Henry	602	285	285	0	0

Table 4-4. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020101.

4.2.A.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020101.

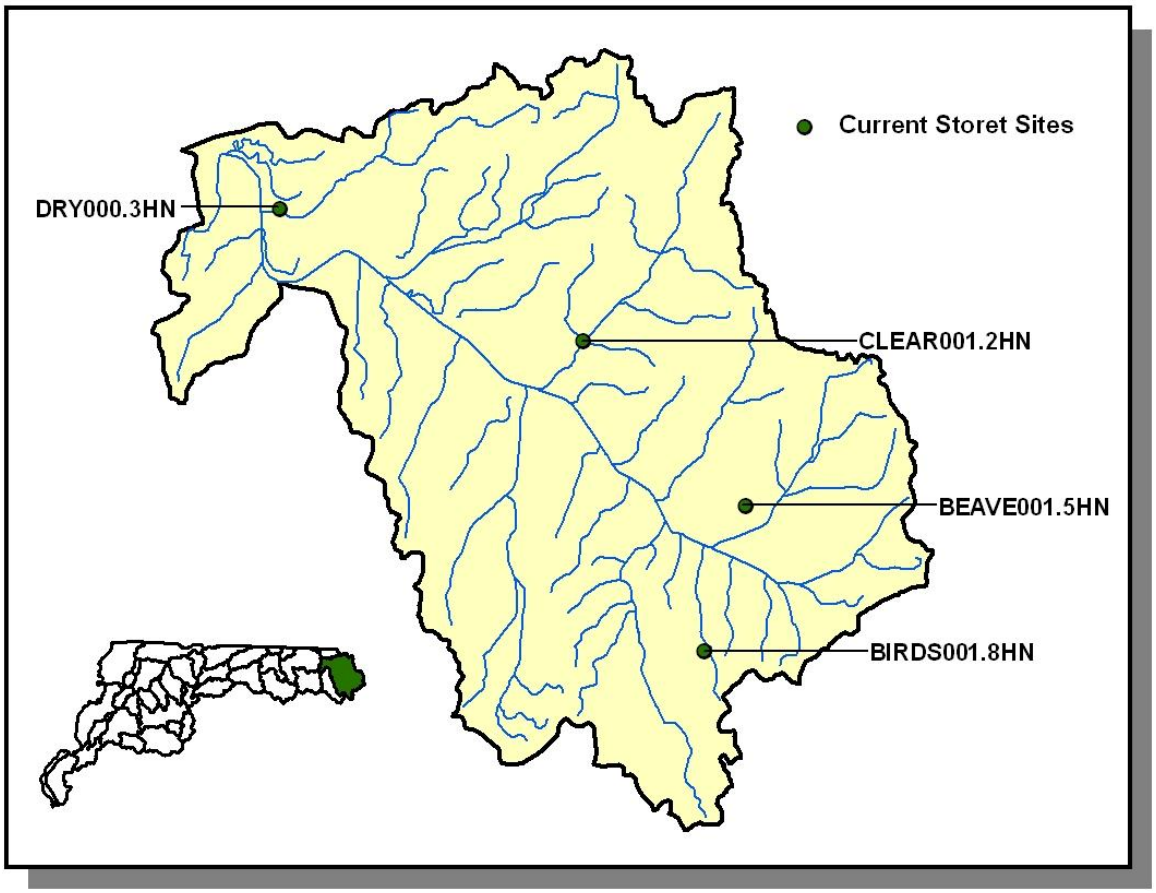

Figure 4-7. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020101. *More information, including site names and locations, is provided in Appendix IV.*

4.2.A.iii. Permitted Activities.

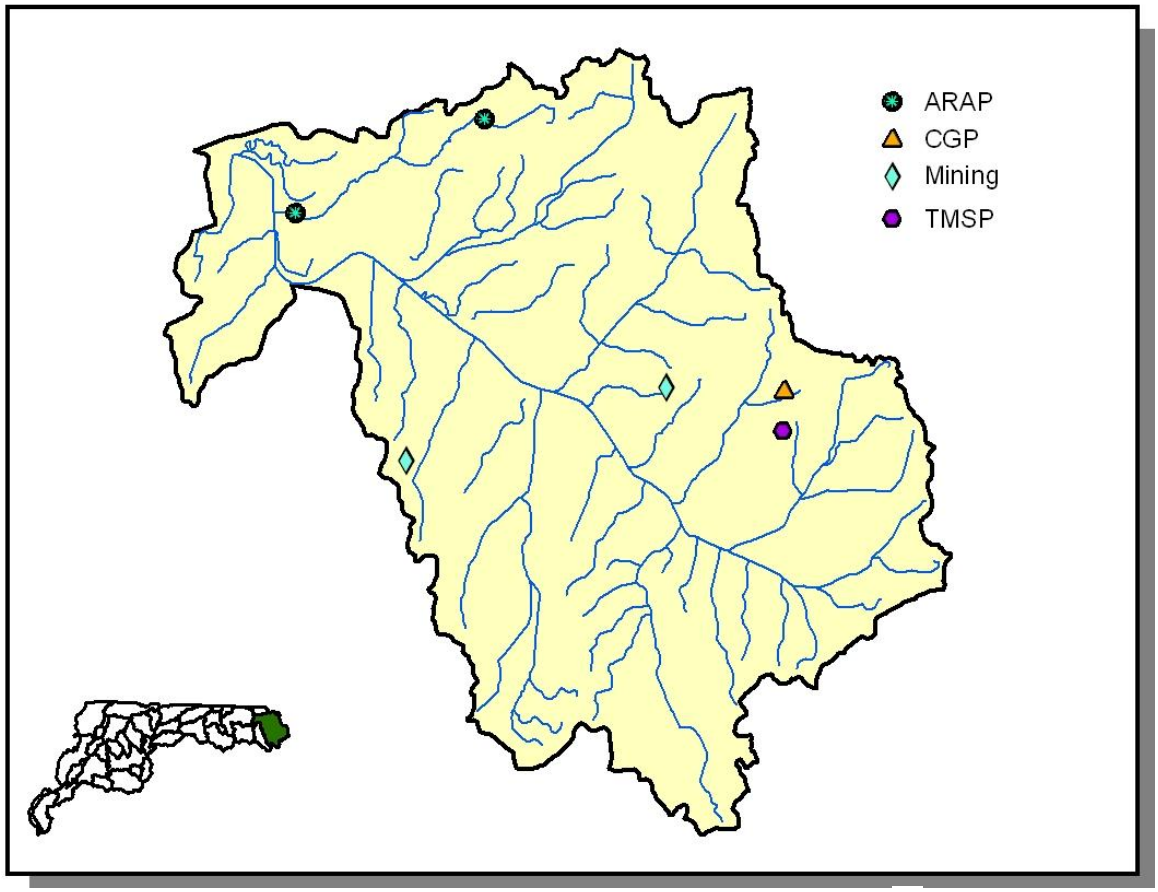

Figure 4-8. Location of Permits Issued in Subwatershed 080102020101. *More information, including the names of facilities, is provided in Appendix IV.*

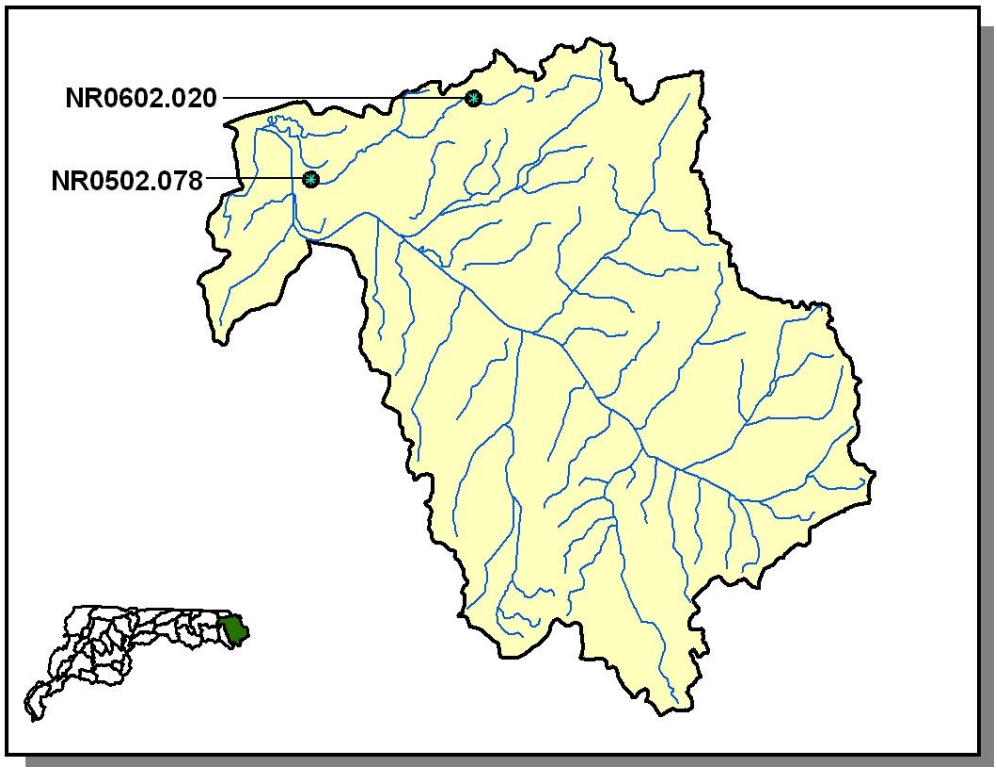

Figure 4-9. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020101. *More information is provided in Appendix IV.*

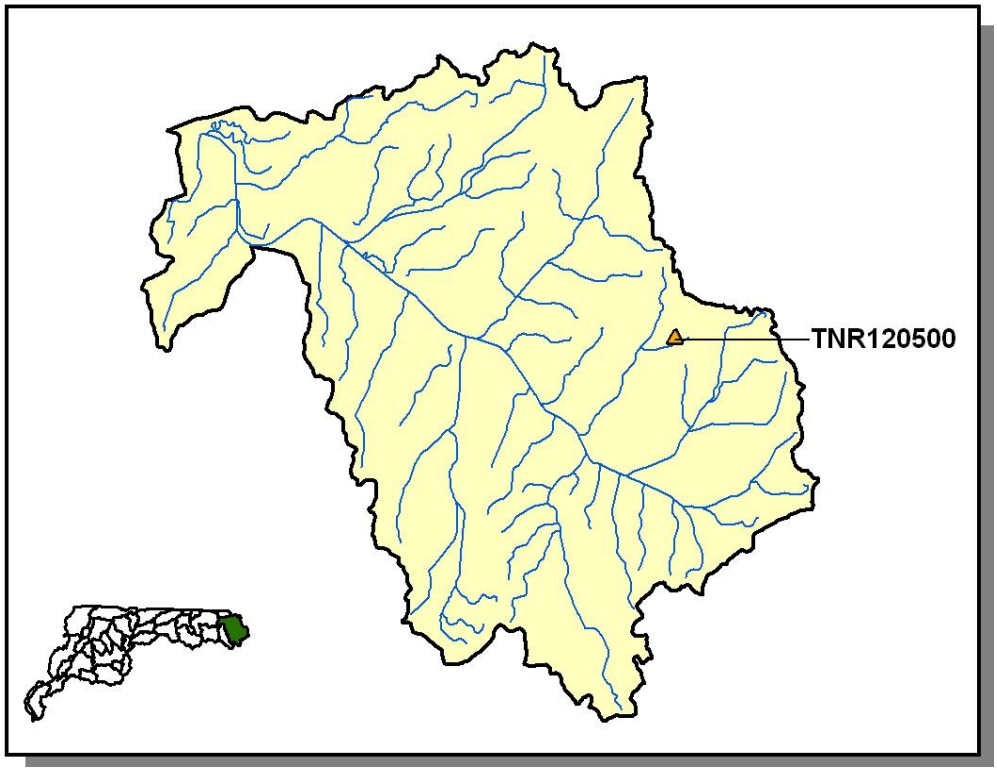

Figure 4-10. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020101. *More information is provided in Appendix IV.*

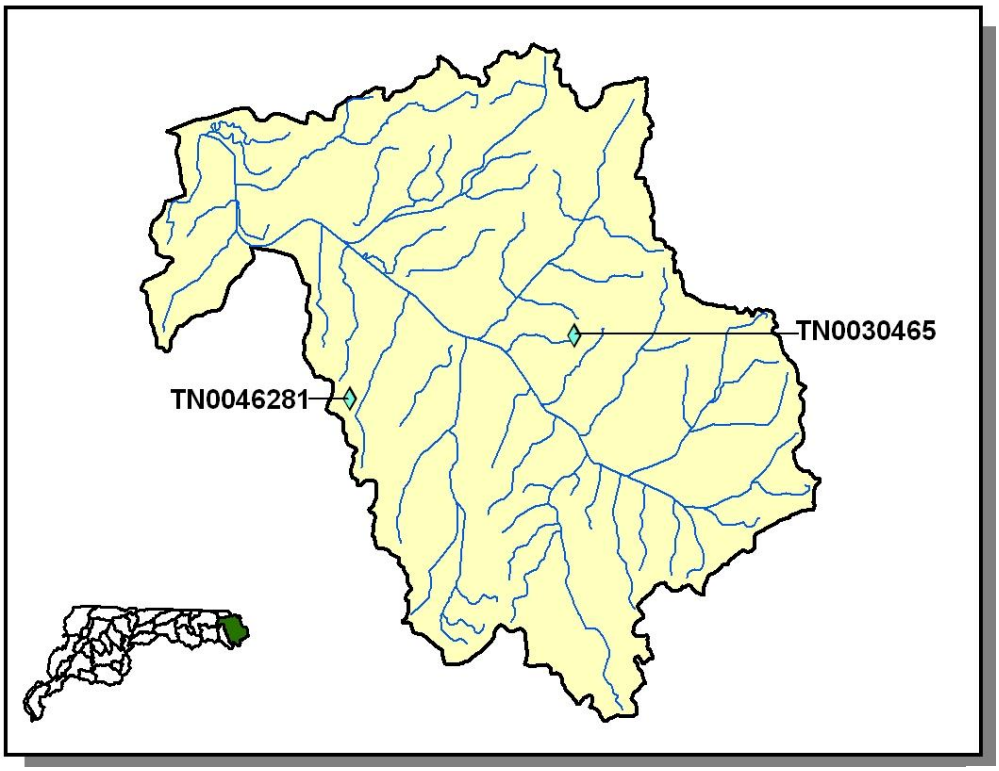

Figure 4-11. Location of Permitted Mining Facilities in Subwatershed 080102020101. *More information is provided in Appendix IV.*

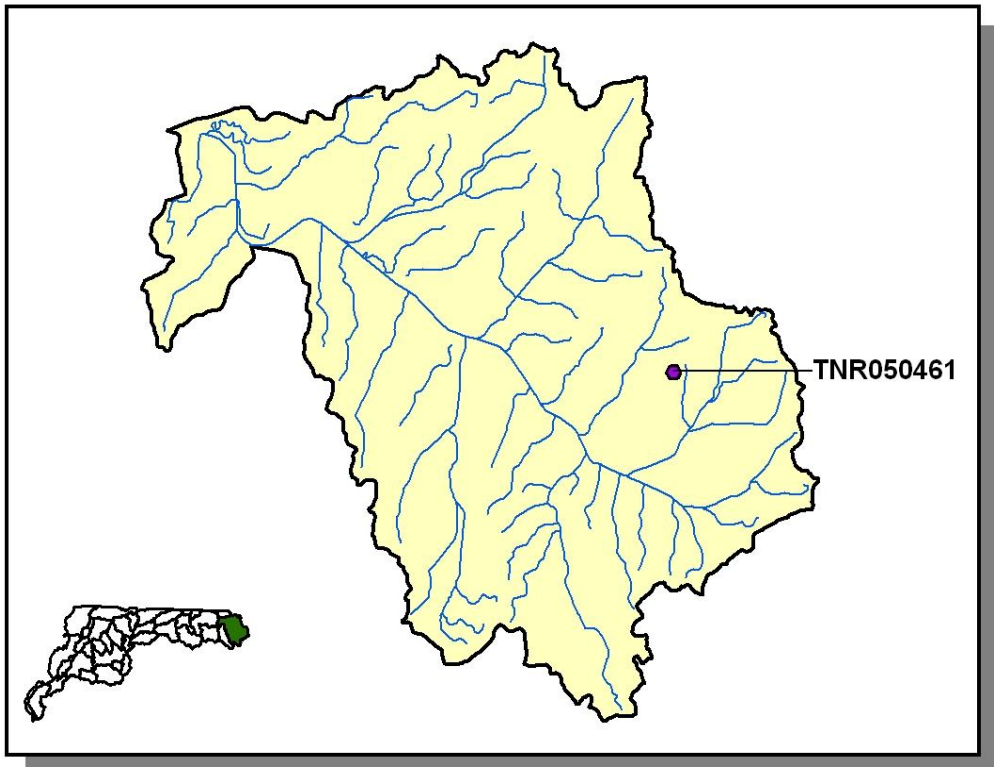

Figure 4-12. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020101. *More information is provided in Appendix IV.*

4.2.A.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Henry	8,920	20,299	1,793	29	36,205	89

Table 4-5. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Henry	176.1	176.1	1.9	7.1

Table 4-6. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other (Horticultural)	16.41
Corn (Row Crops)	7.72
Soybeans (Row Crops)	6.38
Wheat (Close Grown Cropland)	6.02
Other Cropland not Planted	2.61
Conservation Reserve Program Land	0.57
Grass Forbs Legumes Mixed (Pastureland)	0.52
Grass (Pastureland)	0.25
Grass (Hayland)	0.25
Legume Grass (Hayland)	0.11
Farmsteads and Ranch Headquarters	0.10

Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 080102020101.

4.2.B. 080102020102 (Walnut Fork).

4.2.B.i. General Description.

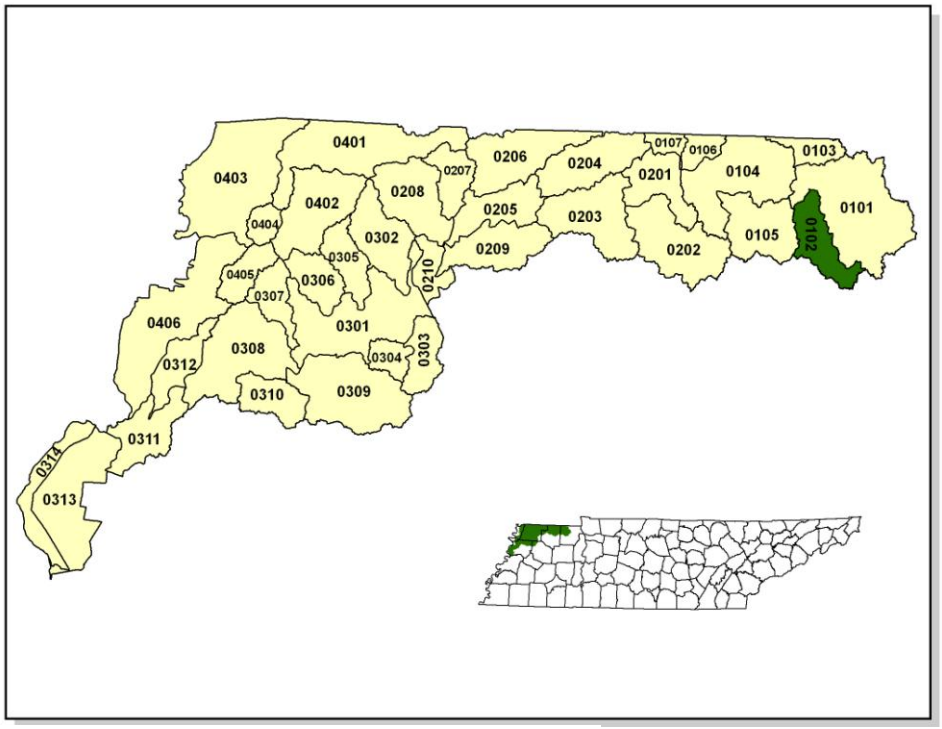

Figure 4-13. Location of Subwatershed 080102020102. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

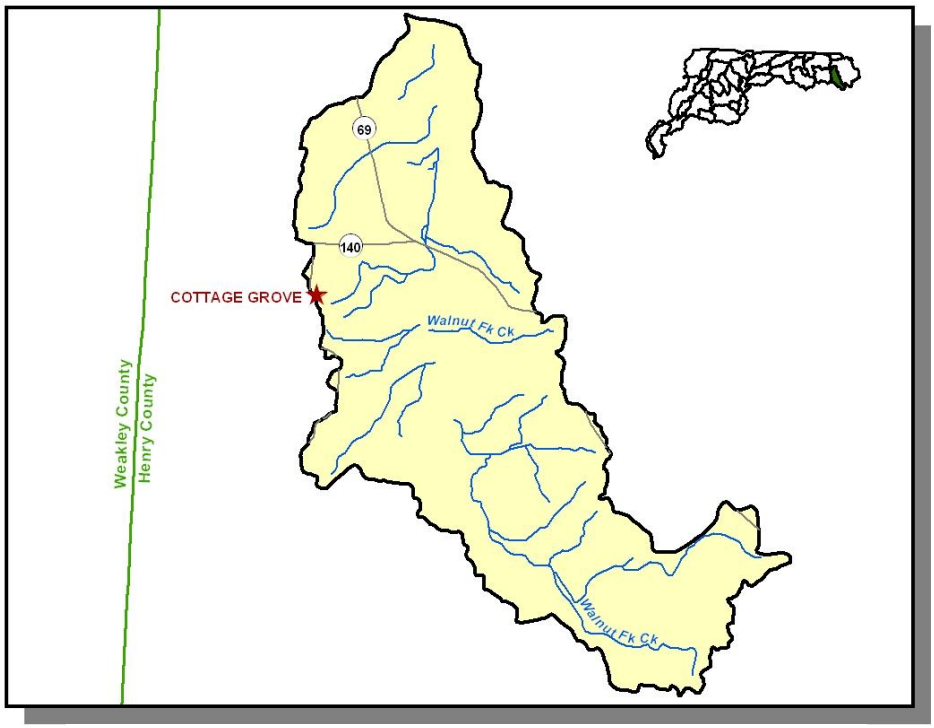

Figure 4-14. Locational Details of Subwatershed 080102020102.

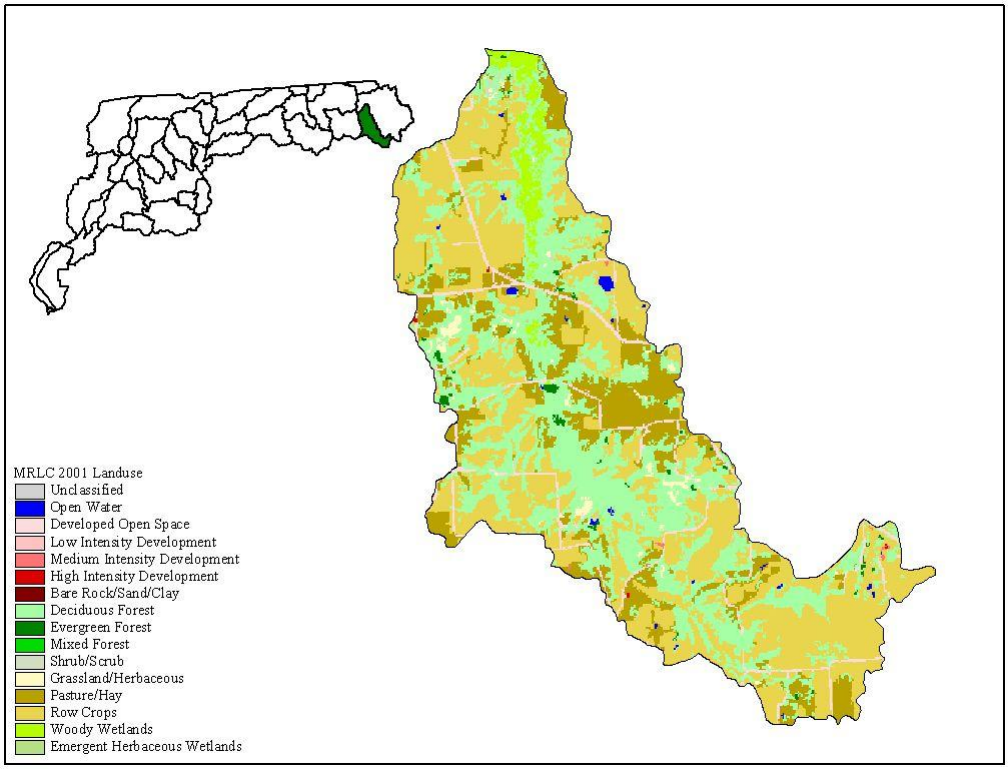

Figure 4-15. Illustration of Land Use Distribution in Subwatershed 080102020102.

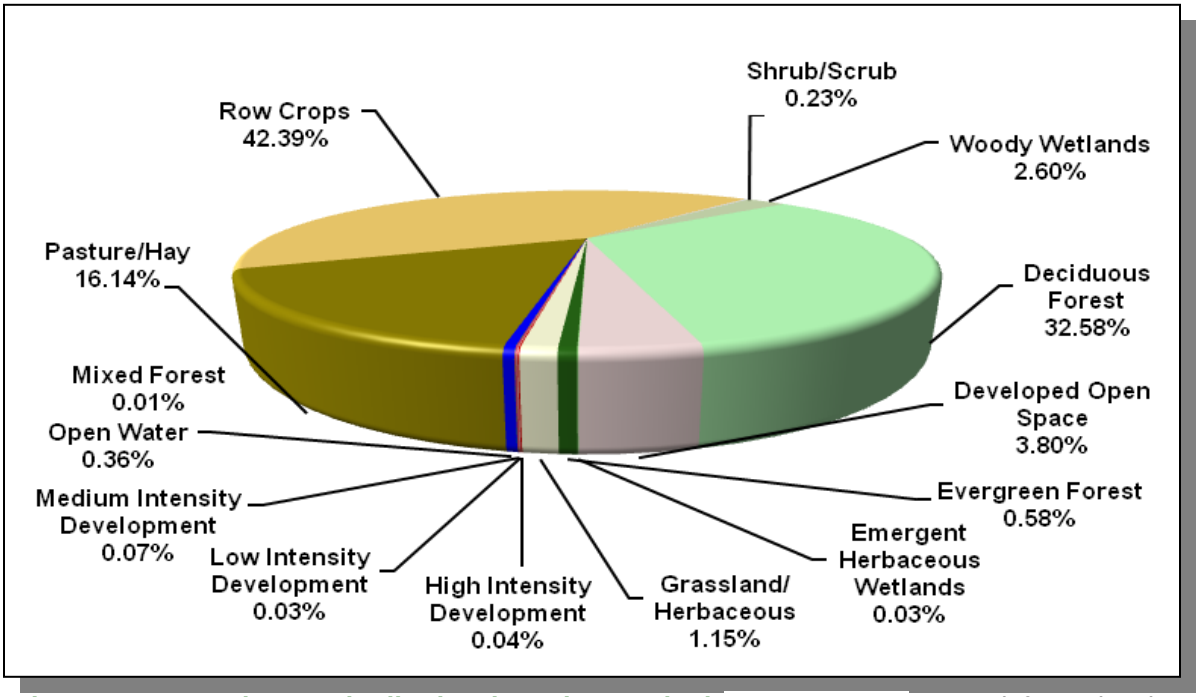

Figure 4-16. Land Use Distribution in Subwatershed 080102020102. *More information is provided in Appendix IV.*

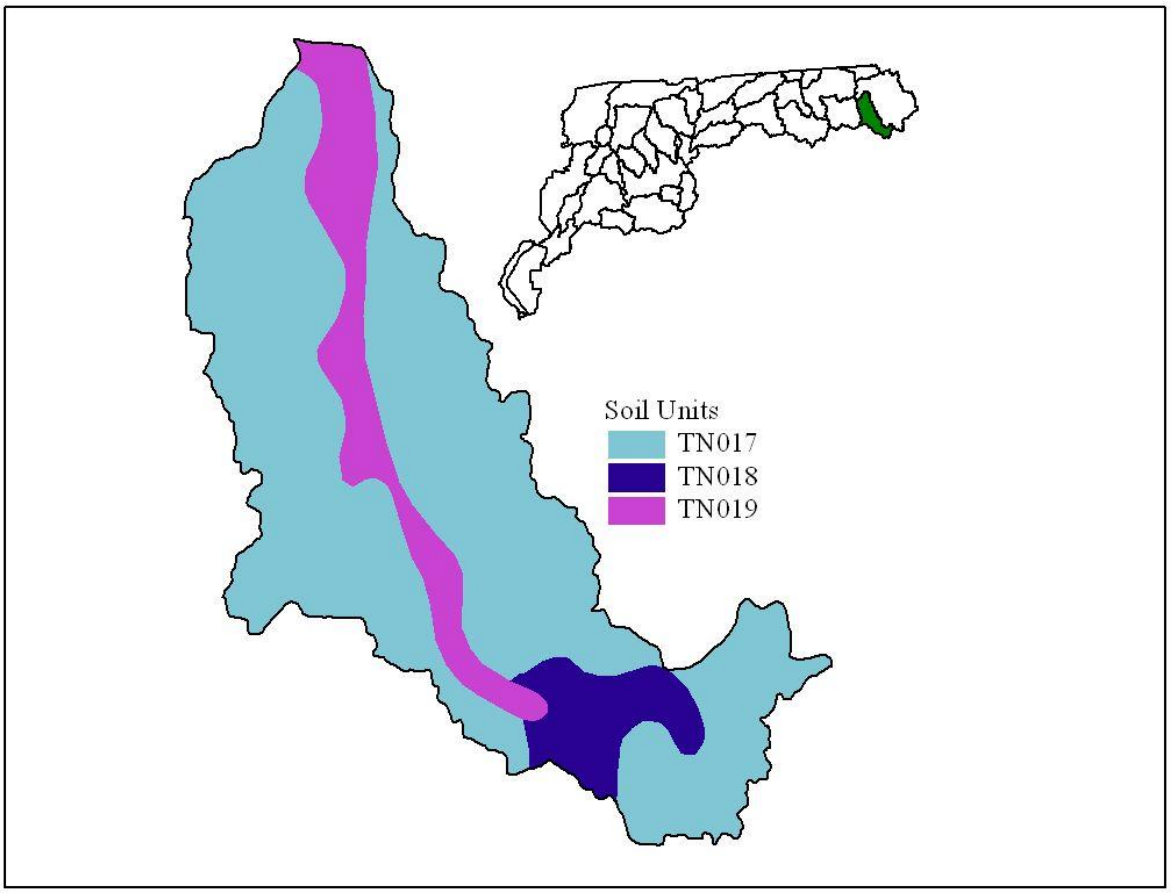

Figure 4-17. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020102.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN018	4.00	B	2.62	5.10	Loam	0.38
TN019	62.00	C	1.54	4.76	Loam	0.26

Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020102.*The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Henry	27,888	29,830	31,115	3.82	1,065	1,139	1,188	11.50

Table 4-9. Population Estimates in Subwatershed 080102020102.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Cottage Grove	Henry	64	48	0	45	3

Table 4-10. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020102.

4.2.B.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020102.

4.2.B.iii. Permitted Activities.

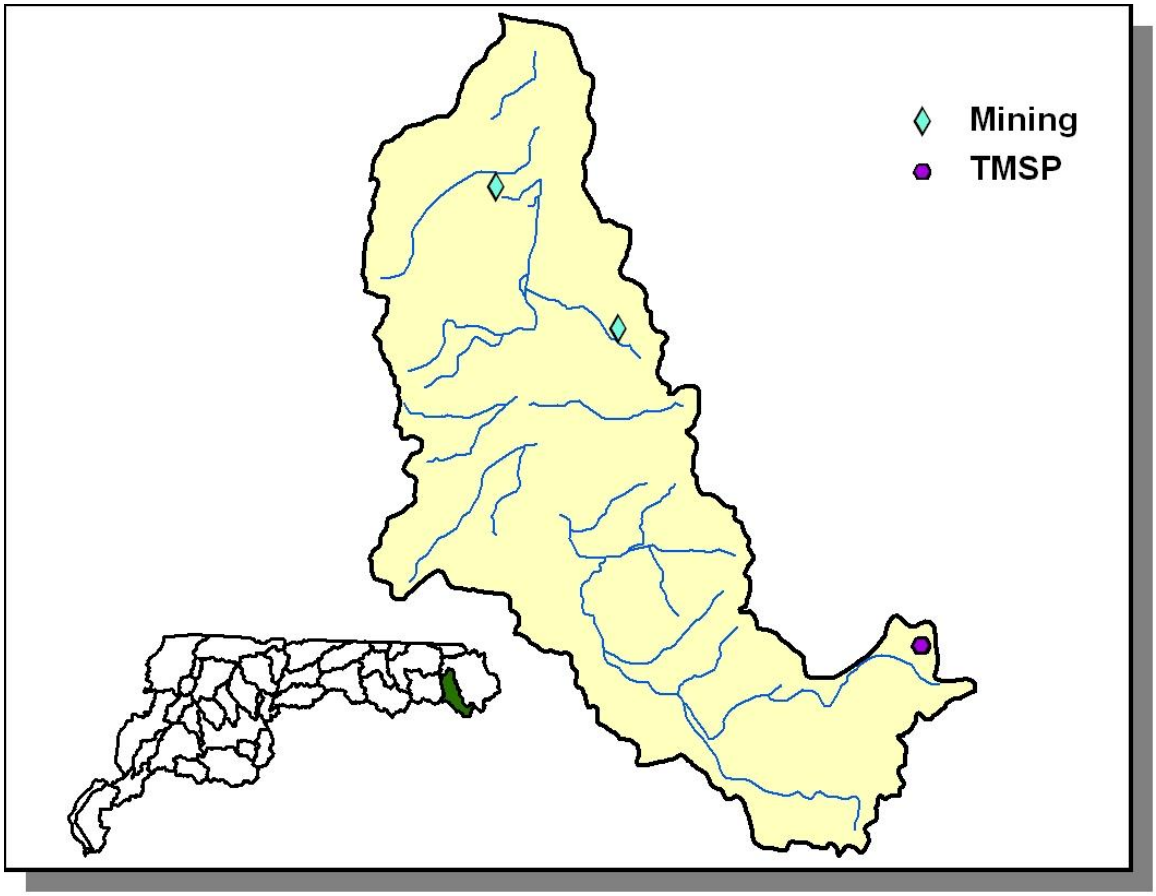

Figure 4-18. Location of Permits Issued in Subwatershed 080102020102. *More information, including the names of facilities, is provided in Appendix IV.*

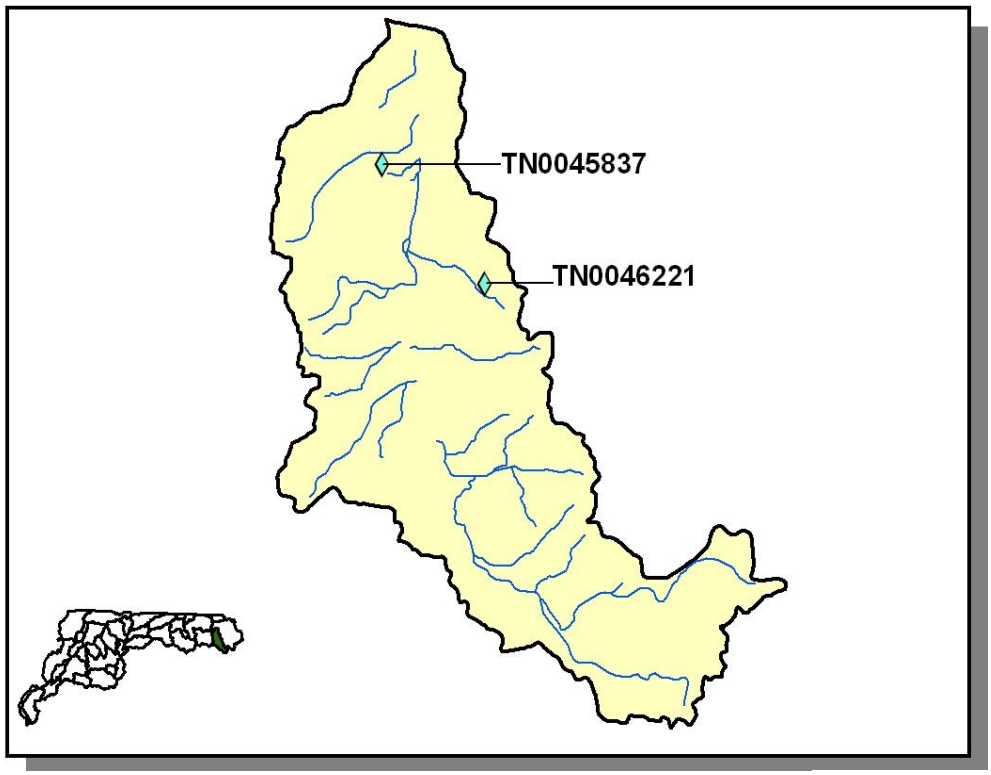

Figure 4-19. Location of Permitted Mining Facilities in Subwatershed 080102020102. *More information is provided in Appendix IV.*

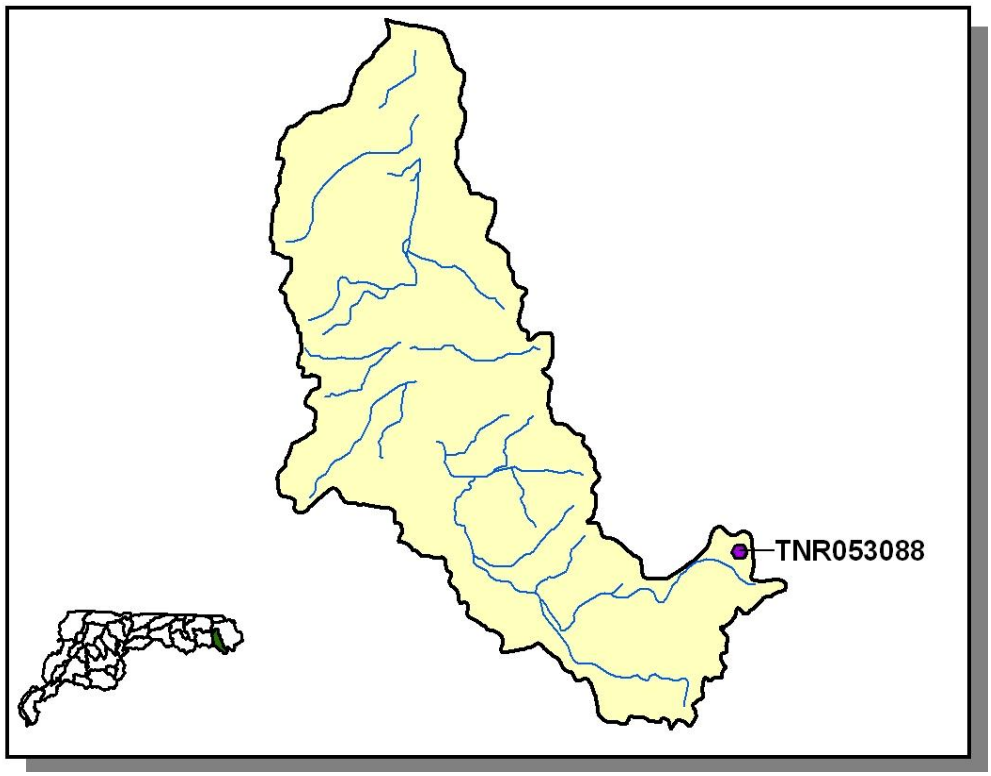

Figure 4-20. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020102. *More information is provided in Appendix IV.*

4.2.B.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Henry	8,920	20,299	1,793	29	36,205	89

Table 4-11. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Henry	176.1	176.1	1.9	7.1

Table 4-12. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other (Horticultural)	16.41
Corn (Row Crops)	7.72
Soybeans (Row Crops)	6.38
Wheat (Close Grown Cropland)	6.02
Other Cropland not Planted	2.61
Conservation Reserve Program Land	0.57
Grass Forbs Legumes Mixed (Pastureland)	0.52
Grass (Pastureland)	0.25
Grass (Hayland)	0.25
Legume Grass (Hayland)	0.11
Farmsteads and Ranch Headquarters	0.10

Table 4-13. Annual Estimated Total Soil Loss in Subwatershed 080102020102.

4.2.C. 080102020103 (Terripen Creek).

4.2.C.i. General Description.

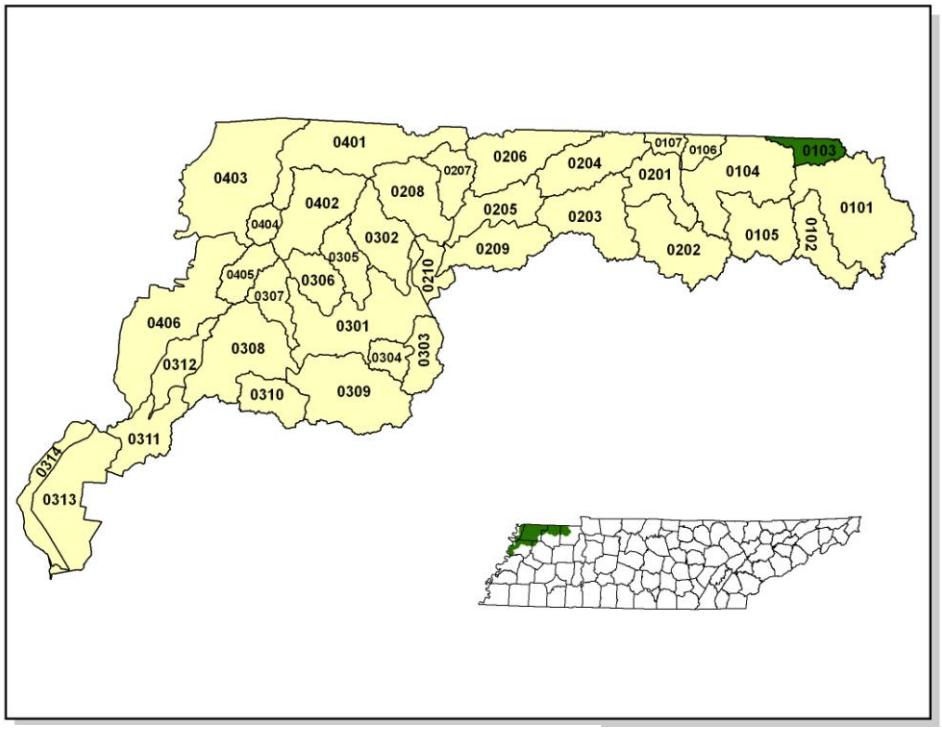

Figure 4-21. Location of Subwatershed 080102020103. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

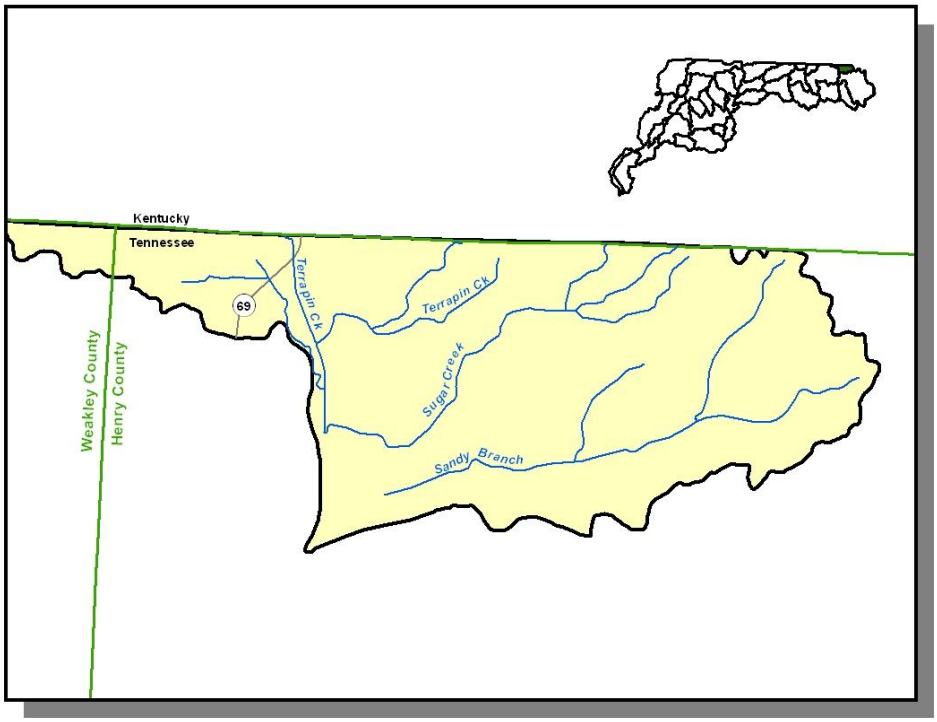

Figure 4-22. Locational Details of Subwatershed 080102020103.

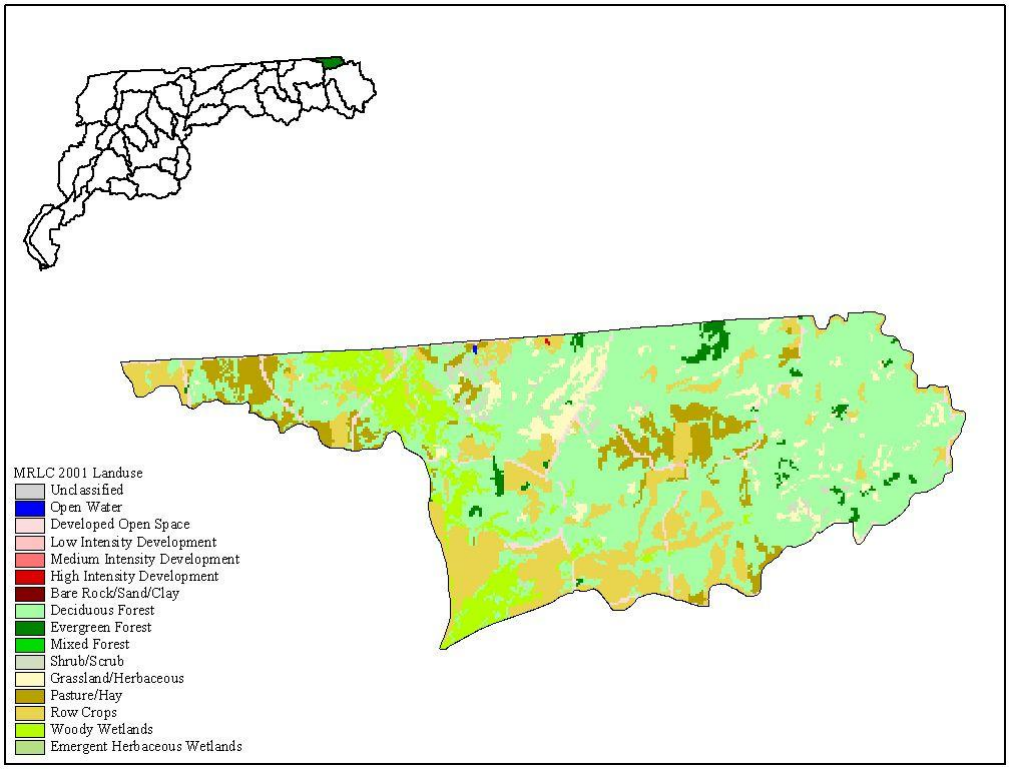

Figure 4-23. Illustration of Land Use Distribution in Subwatershed 080102020103.

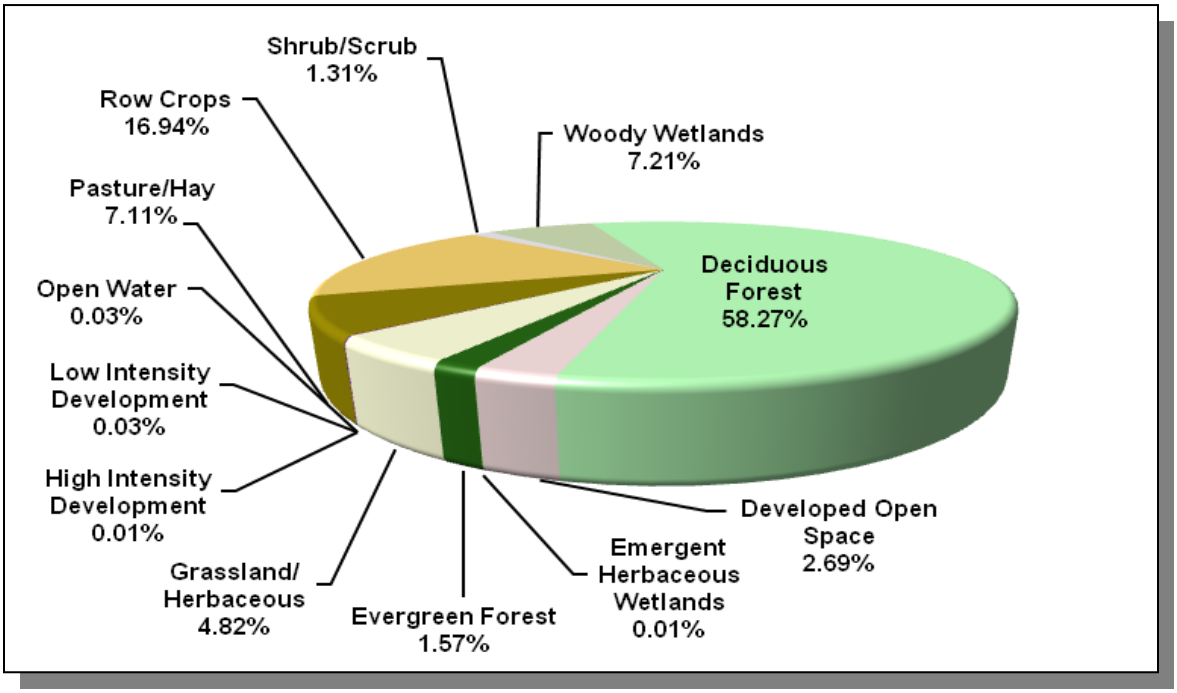

Figure 4-24. Land Use Distribution in Subwatershed 080102020103. *More information is provided in Appendix IV.*

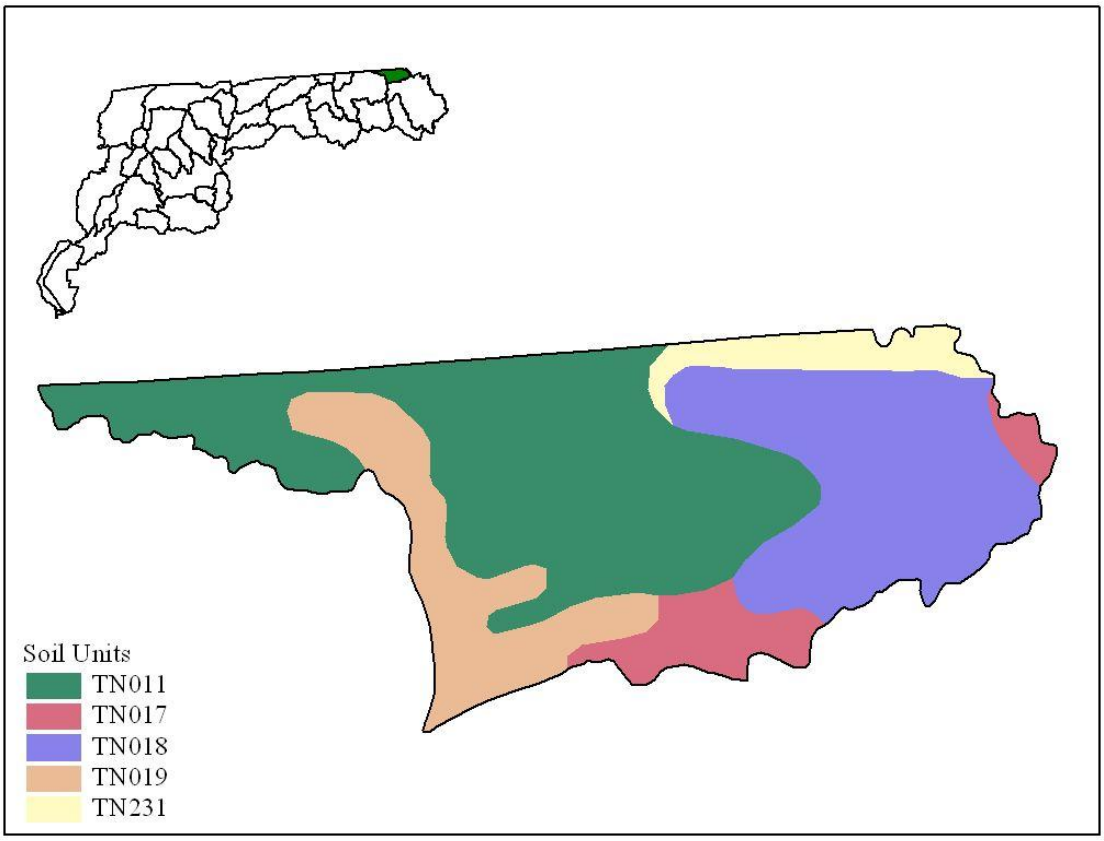

Figure 4-25. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020103.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN018	4.00	B	2.62	5.10	Loam	0.38
TN019	62.00	C	1.54	4.76	Loam	0.26
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-14. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020103. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Henry	27,888	29,830	31,115	1.72	481	514	536	11.40
Weakley	31,972	32,808	34,895	0.07	21	21	23	9.50
Totals	**59,860**	**62,638**	**66,010**		**502**	**535**	**559**	**11.40**

Table 4-15. Population Estimates in Subwatershed 080102020103.

4.2.C.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020103.

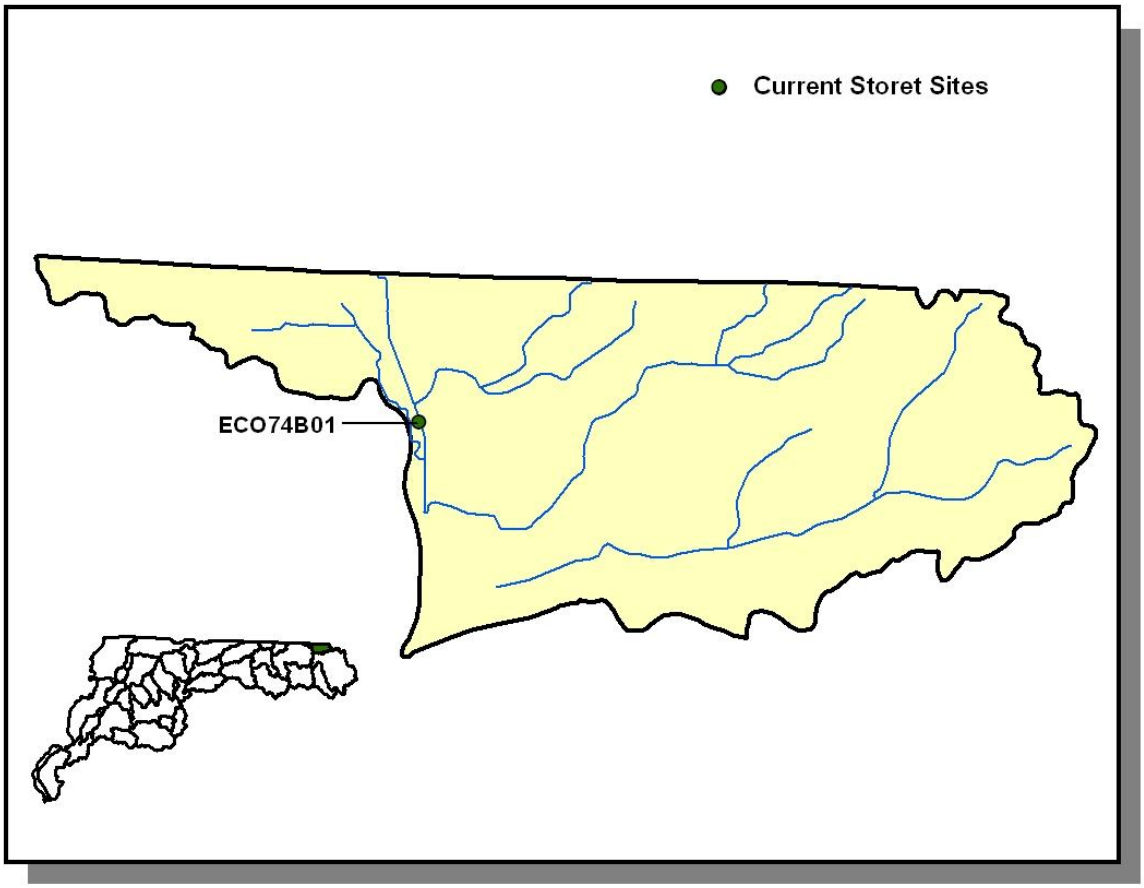

Figure 4-26. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020103. *More information, including site names and locations, is provided in Appendix IV.*

4.2.C.iii. Permitted Activities.

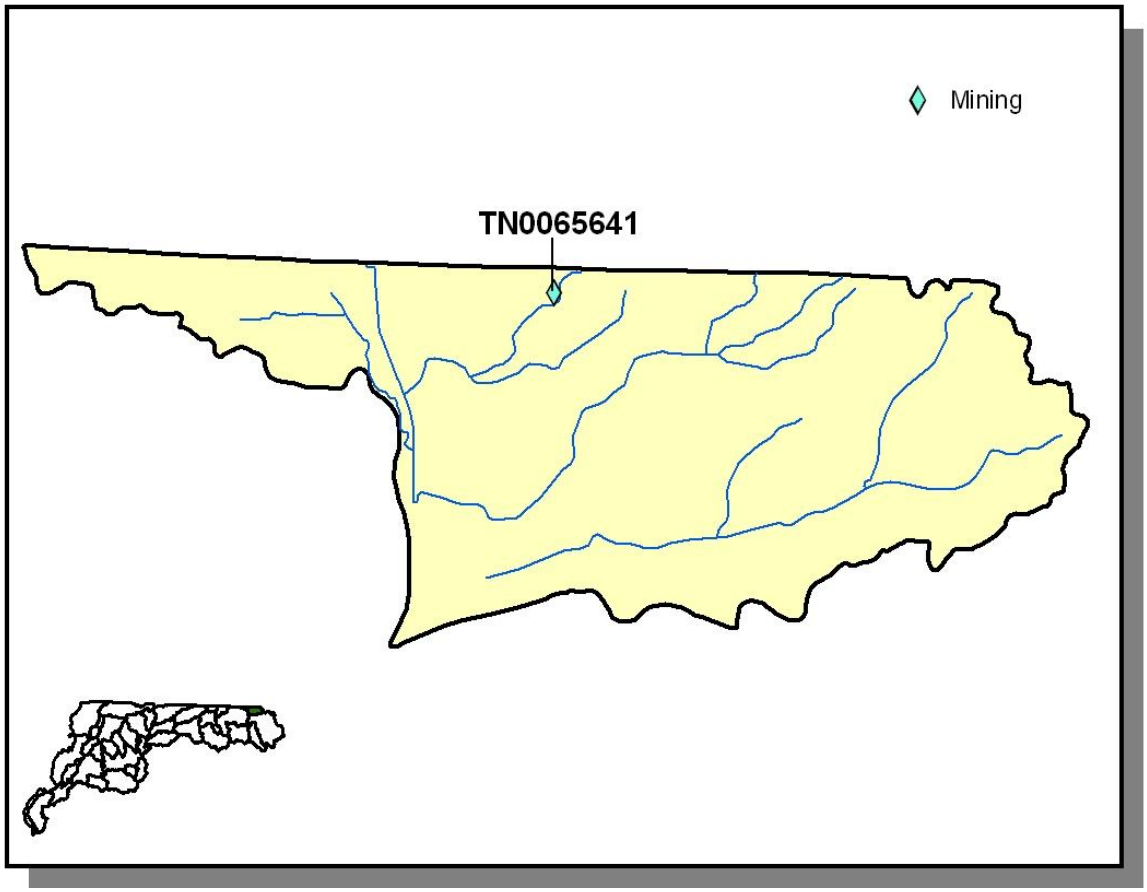

Figure 4-27. Location of Permits Issued in Subwatershed 080102020103. *More information, including the names of facilities, is provided in Appendix IV.*

4.2.C.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Henry	8,920	20,299	1,793	29	36,205	89
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-16. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Henry	176.1	176.1	1.9	7.1
Weakley	96.1	95.9	6.7	24.6

Table 4-17. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Other (Horticultural)	16.41
Corn (Row Crops)	7.72
Soybeans (Row Crops)	6.42
Wheat (Close Grown Cropland)	6.16
Other Cropland not Planted	2.67
Legume (Pastureland)	1.47
Conservation Reserve Program Land	0.56
Grass Forbs Legumes Mixed (Pastureland)	0.54
Legume (Hayland)	0.49
Grass (Hayland)	0.25
Grass (Pastureland)	0.24
Farmsteads and Ranch Headquarters	0.11
Legume Grass (Hayland)	0.11

Table 4-18. Annual Estimated Total Soil Loss in Subwatershed 080102020103.

4.2.D. 080102020104 (North Fork Obion River).

4.2.D.i. General Description.

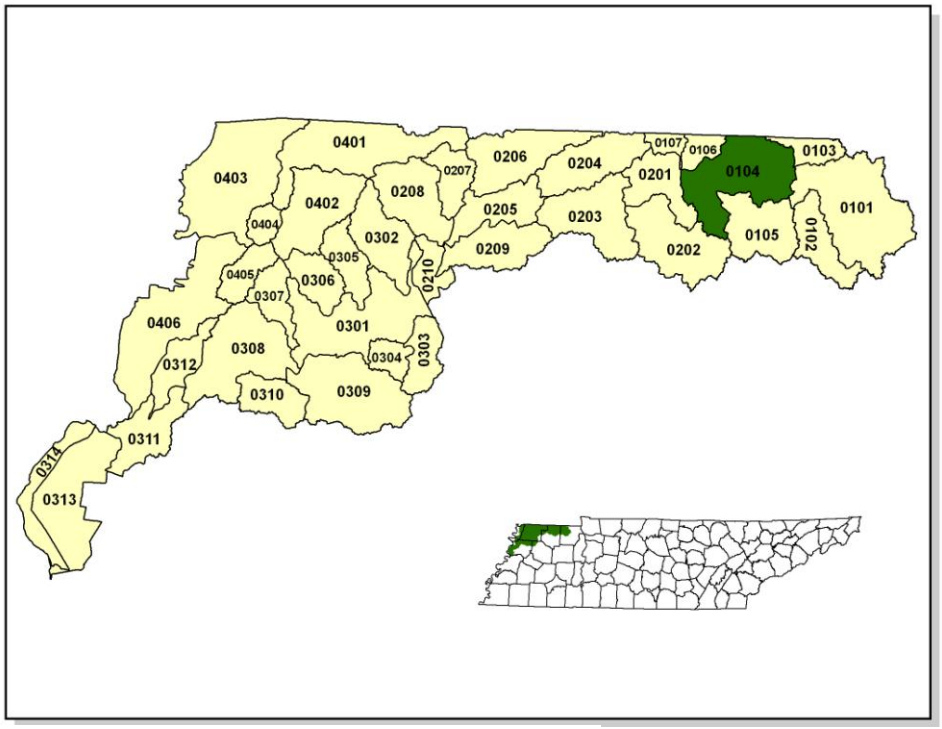

Figure 4-28. Location of Subwatershed 080102020104. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

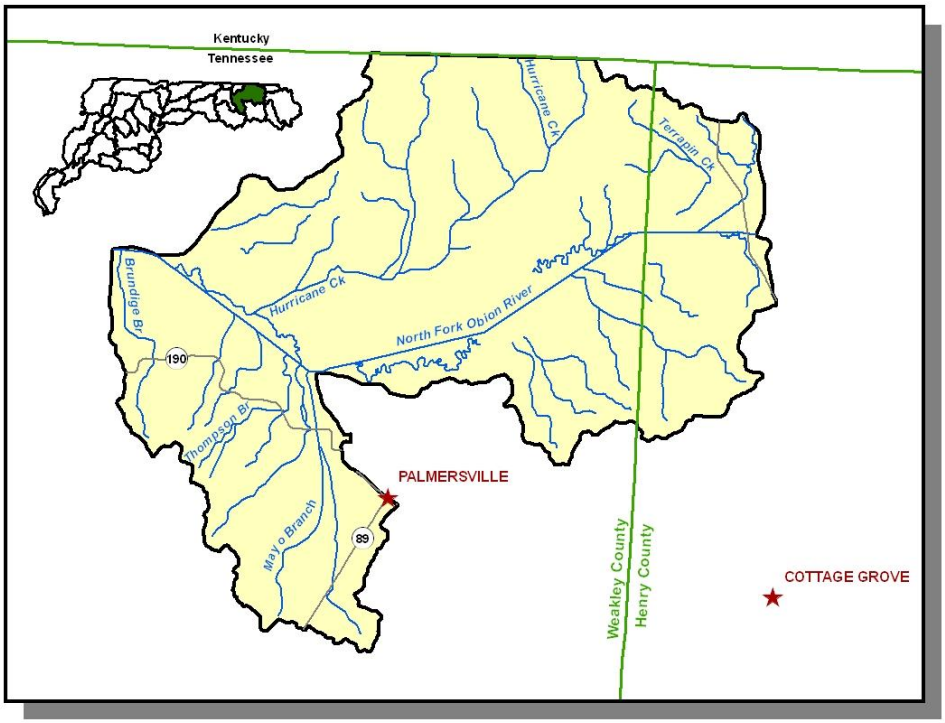

Figure 4-29. Locational Details of Subwatershed 080102020104.

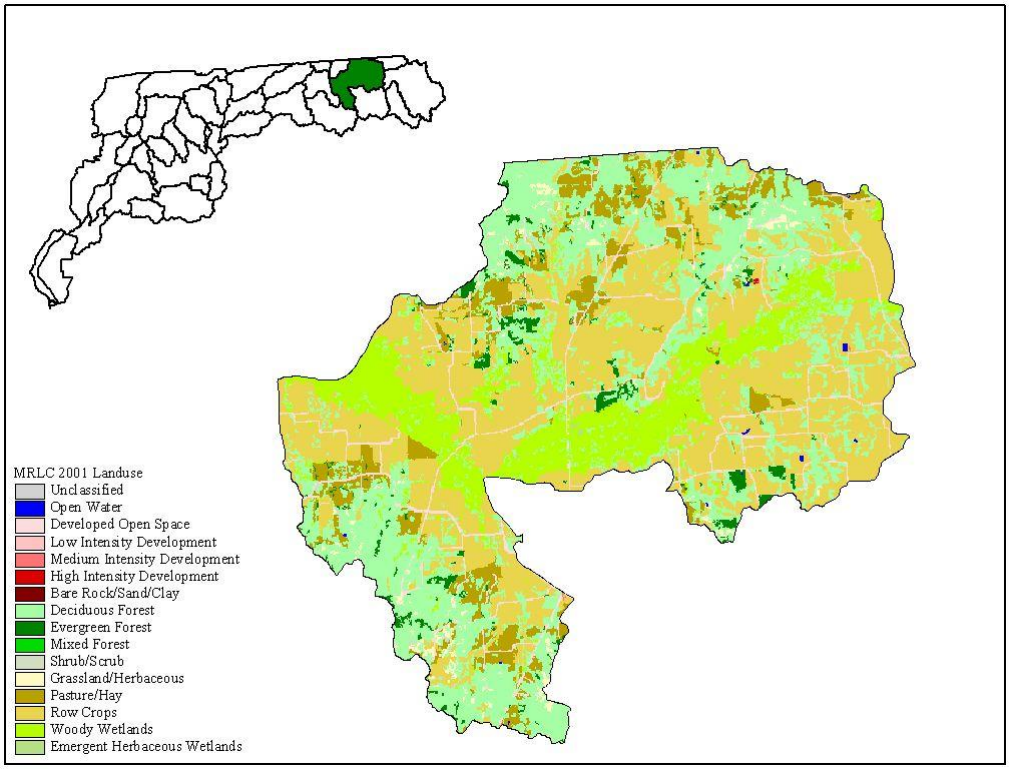

Figure 4-30. Illustration of Land Use Distribution in Subwatershed 080102020104.

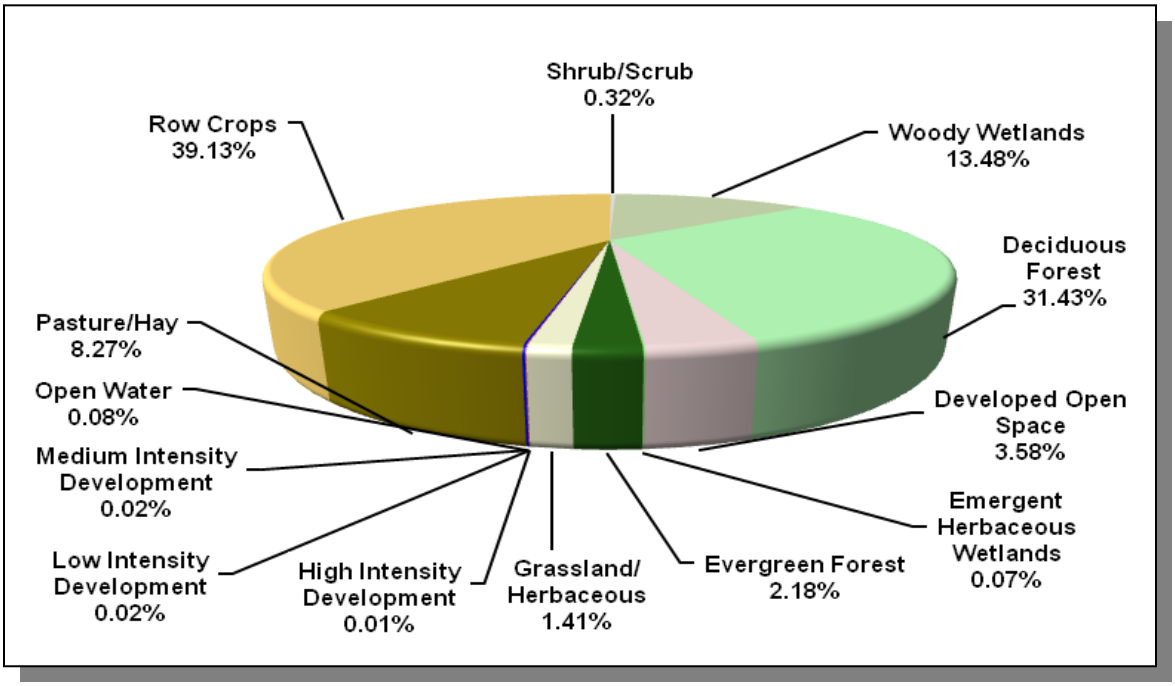

Figure 4-31. Land Use Distribution in Subwatershed 080102020104. *More information is provided in Appendix IV.*

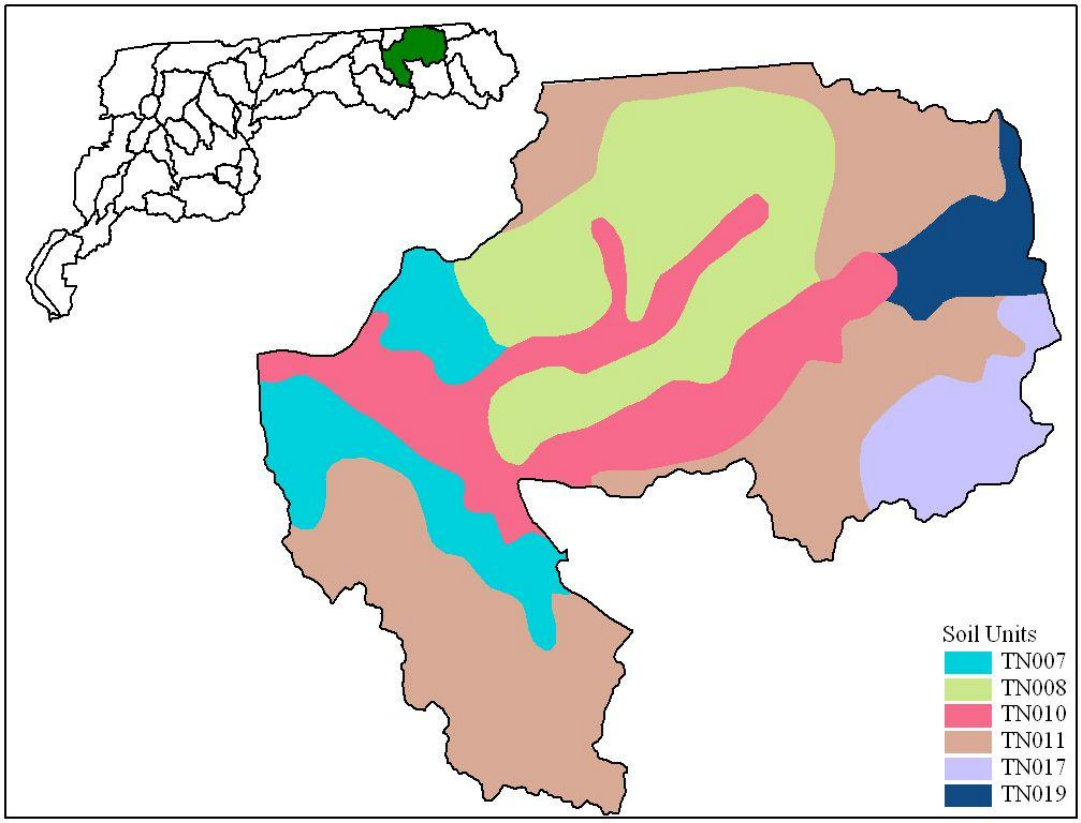

Figure 4-32. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020104.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN019	62.00	C	1.54	4.76	Loam	0.26

Table 4-19. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020104. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Henry	27,888	29,830	31,115	1.23	343	367	383	11.70
Weakley	31,972	32,808	34,895	7.76	2,481	2,546	2,708	9.10
Totals	**59,860**	**62,638**	**66,010**		**2,824**	**2,913**	**3,091**	**9.50**

Table 4-20. Population Estimates in Subwatershed 080102020104.

4.2.D.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020104.

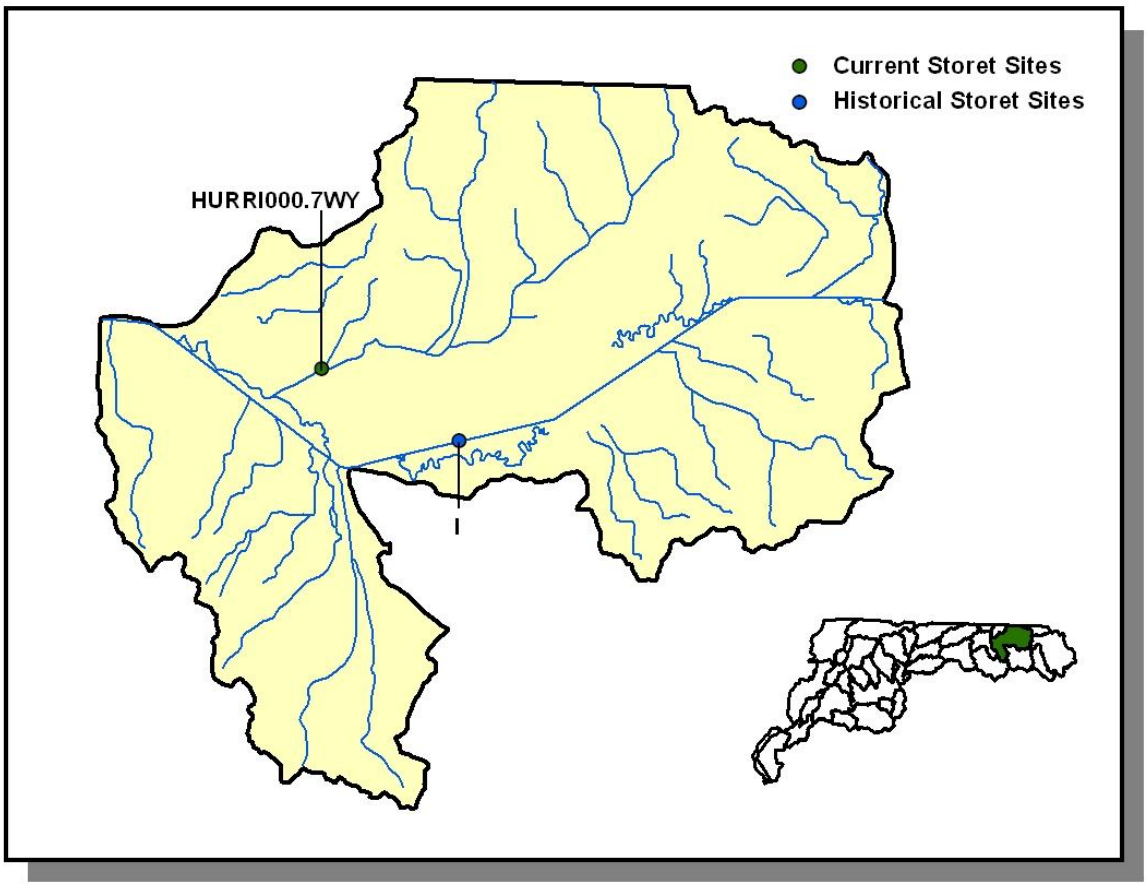

Figure 4-33. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020104. *More information, including site names and locations, is provided in Appendix IV.*

4.2.D.iii. Permitted Activities.

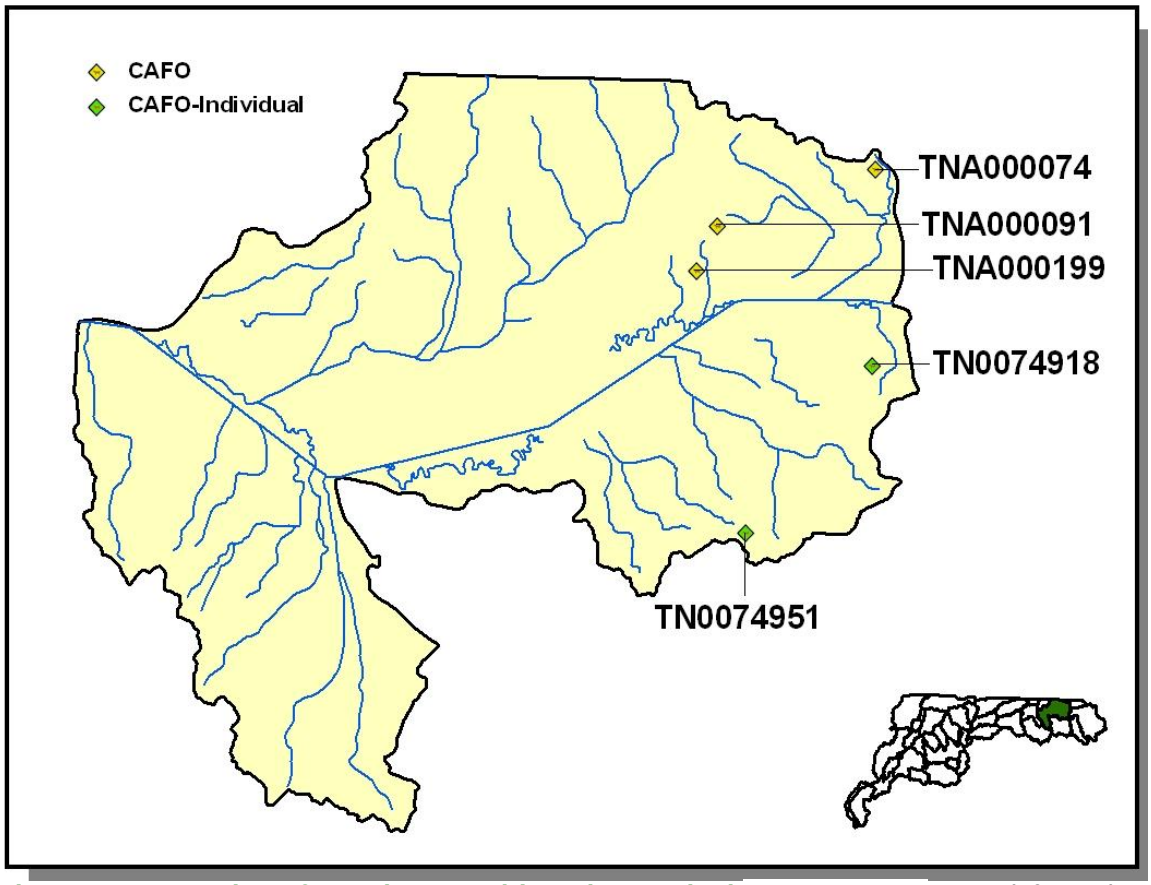

Figure 4-34. Location of Permits Issued in Subwatershed 080102020104. *More information, including the names of facilities, is provided in Appendix IV.*

4.2.D.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Henry	8,920	20,299	1,793	29	36,205	89
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-21. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Henry	176.1	176.1	1.9	7.1
Weakley	96.1	95.9	6.7	24.6

Table 4-22. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Other (Horticultural)	16.41
Wheat (Close Grown Cropland)	9.45
Corn (Row Crops)	7.59
Soybeans (Row Crops)	7.46
Other Cropland not Planted	4.23
Legume (Pastureland)	1.47
Grass Forbs Legumes Mixed (Pastureland)	1.03
Legume (Hayland)	0.49
Conservation Reserve Program Land	0.45
Farmsteads and Ranch Headquarters	0.39
Grass (Hayland)	0.23
Grass (Pastureland)	0.15
Legume Grass (Hayland)	0.11

Table 4-23. Annual Estimated Total Soil Loss in Subwatershed 080102020104.

4.2.E. 080102020105 (Cane Creek).

4.2.E.i. General Description.

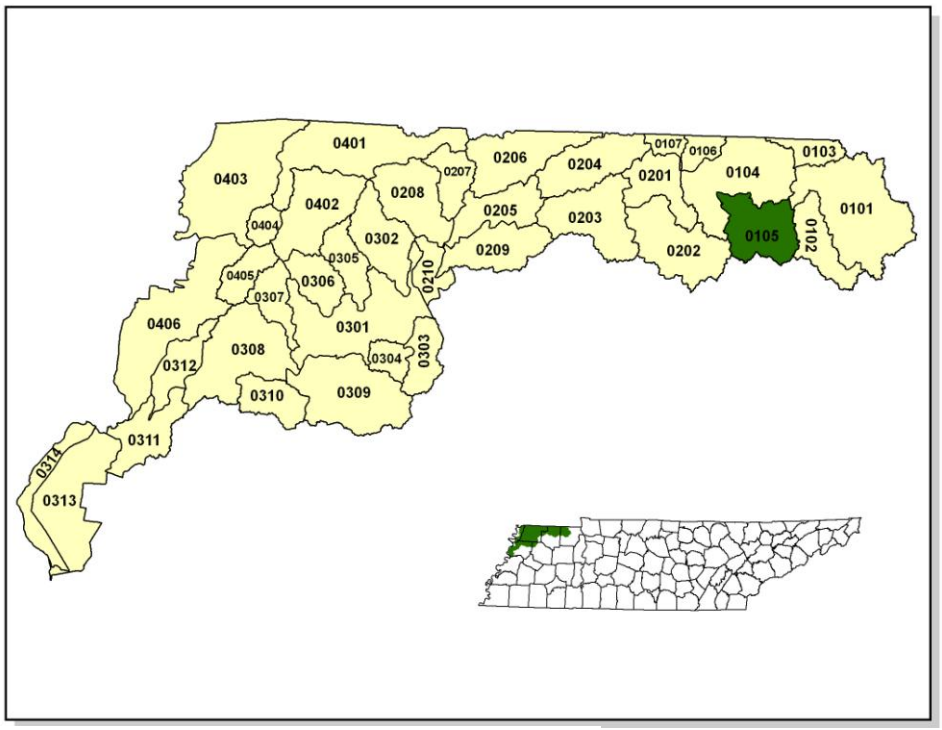

Figure 4-35. Location of Subwatershed 080102020105. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

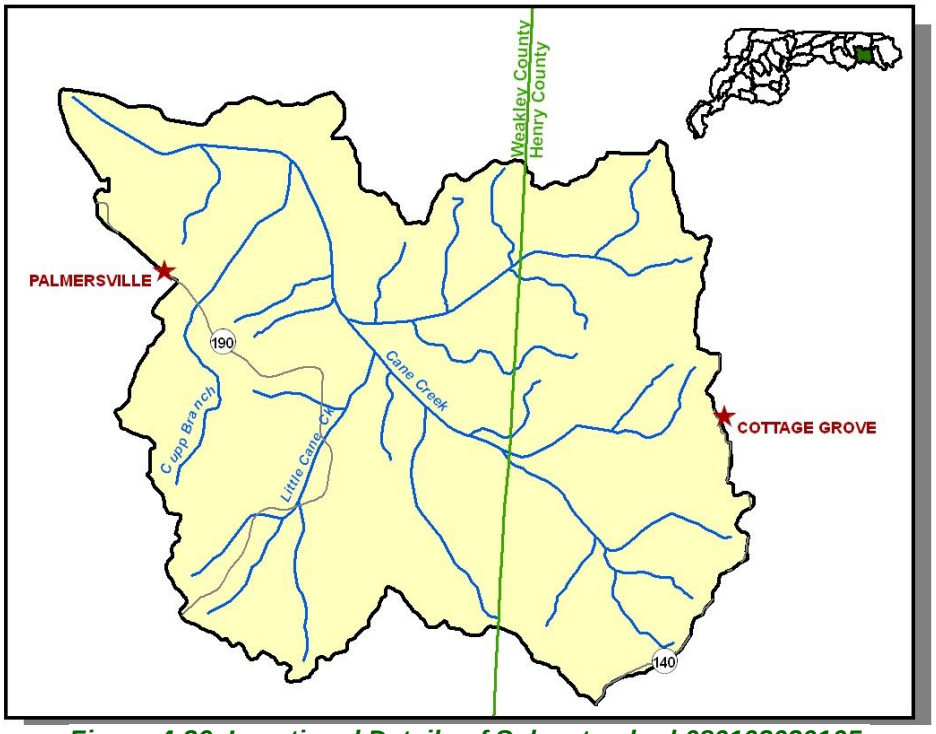

Figure 4-36. Locational Details of Subwatershed 080102020105.

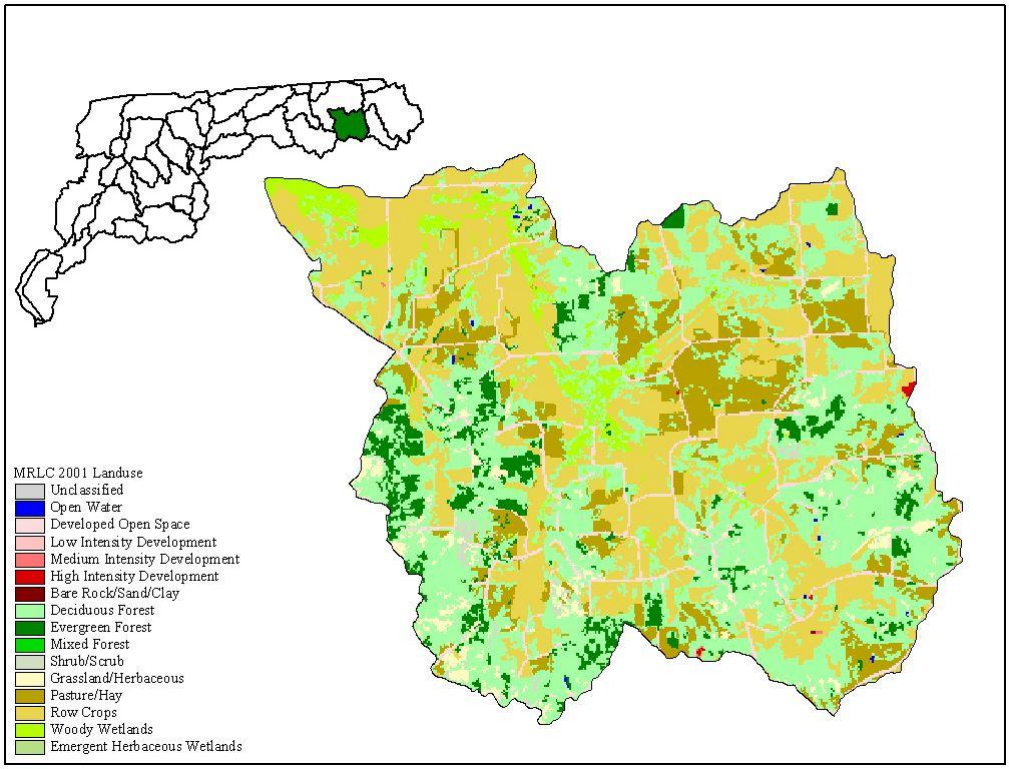

Figure 4-37. Illustration of Land Use Distribution in Subwatershed 080102020105.

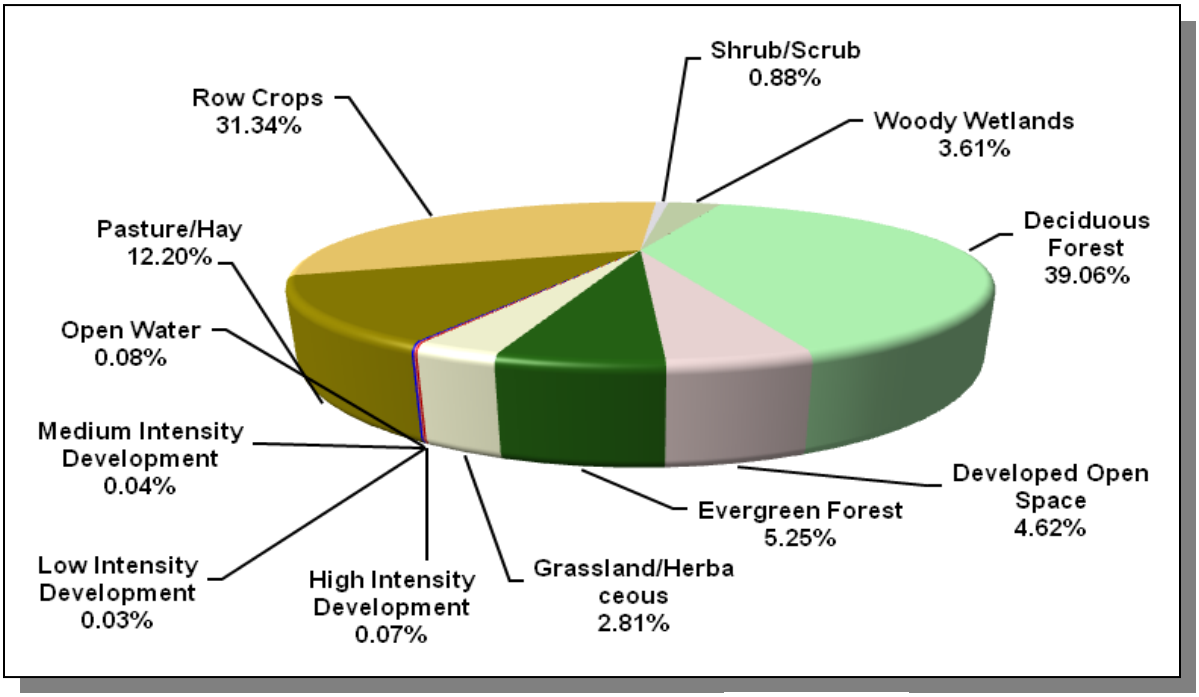

Figure 4-38. Land Use Distribution in Subwatershed 080102020105. *More information is provided in Appendix IV.*

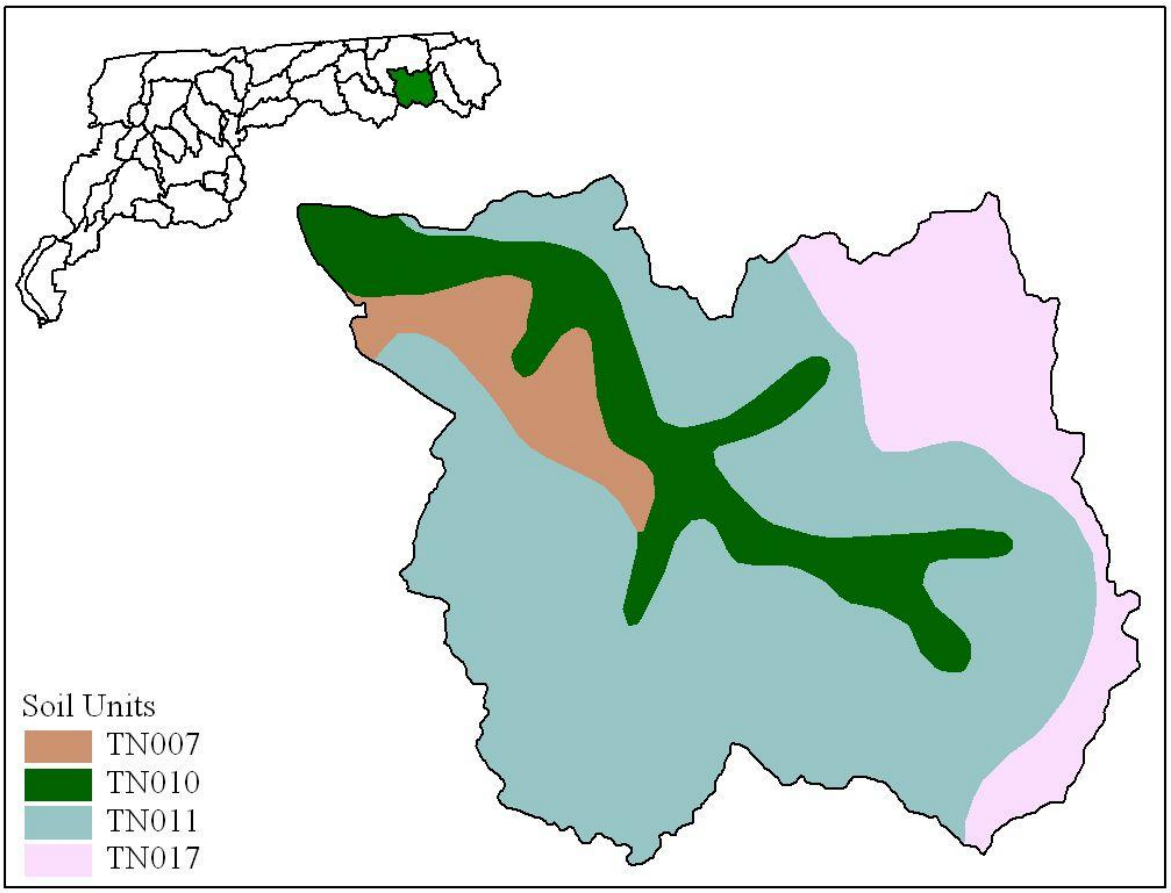

Figure 4-39. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020105.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

Table 4-24. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020105.*The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Henry	27,888	29,830	31,115	1.75	488	522	545	11.70
Weakley	31,972	32,808	34,895	3.71	1,185	1,216	1,293	9.10
Totals	**59,860**	**62,638**	**66,010**		**1,673**	**1,738**	**1,838**	**9.90**

Table 4-25. Population Estimates in Subwatershed 080102020105.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Cottage Grove	Henry	64	48	0	45	3

Table 4-26. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020105.

4.2.E.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020105.

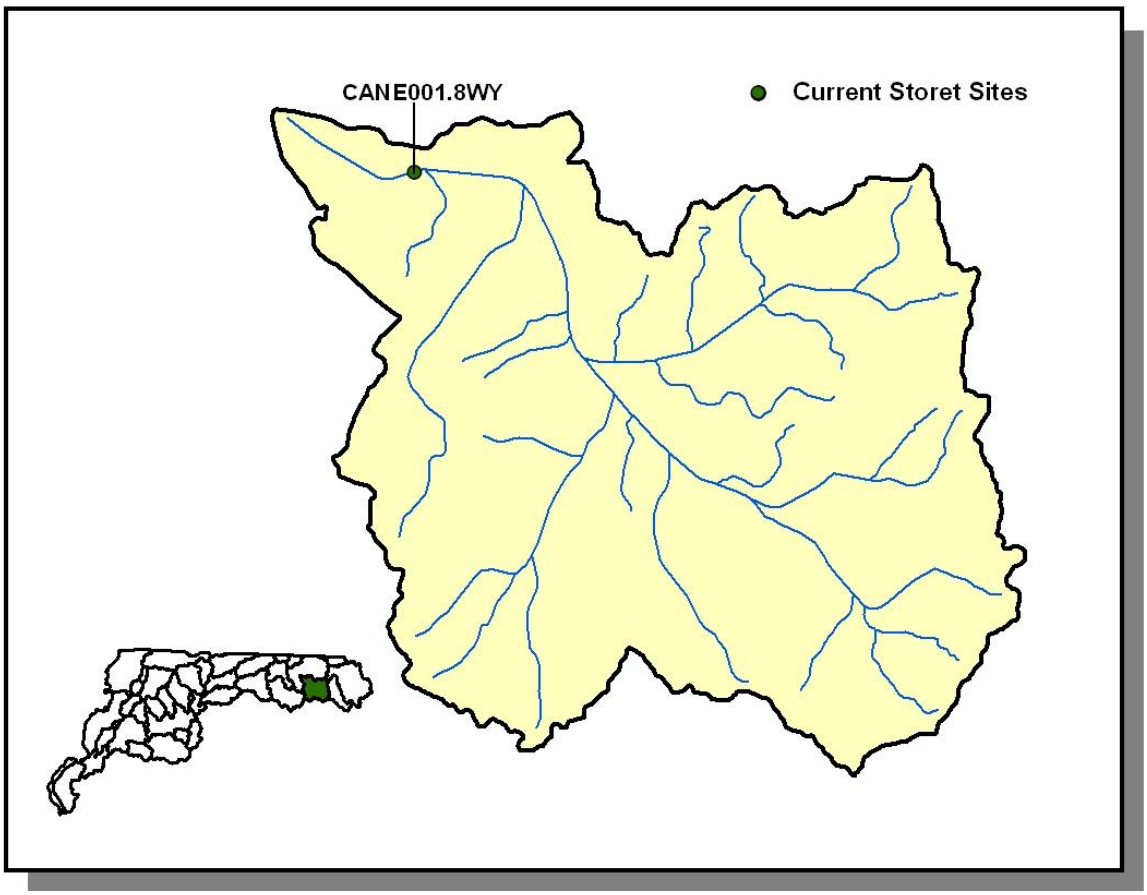

Figure 4-40. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020105. *More information, including site names and locations, is provided in Appendix IV.*

4.2.E.iii. Permitted Activities.

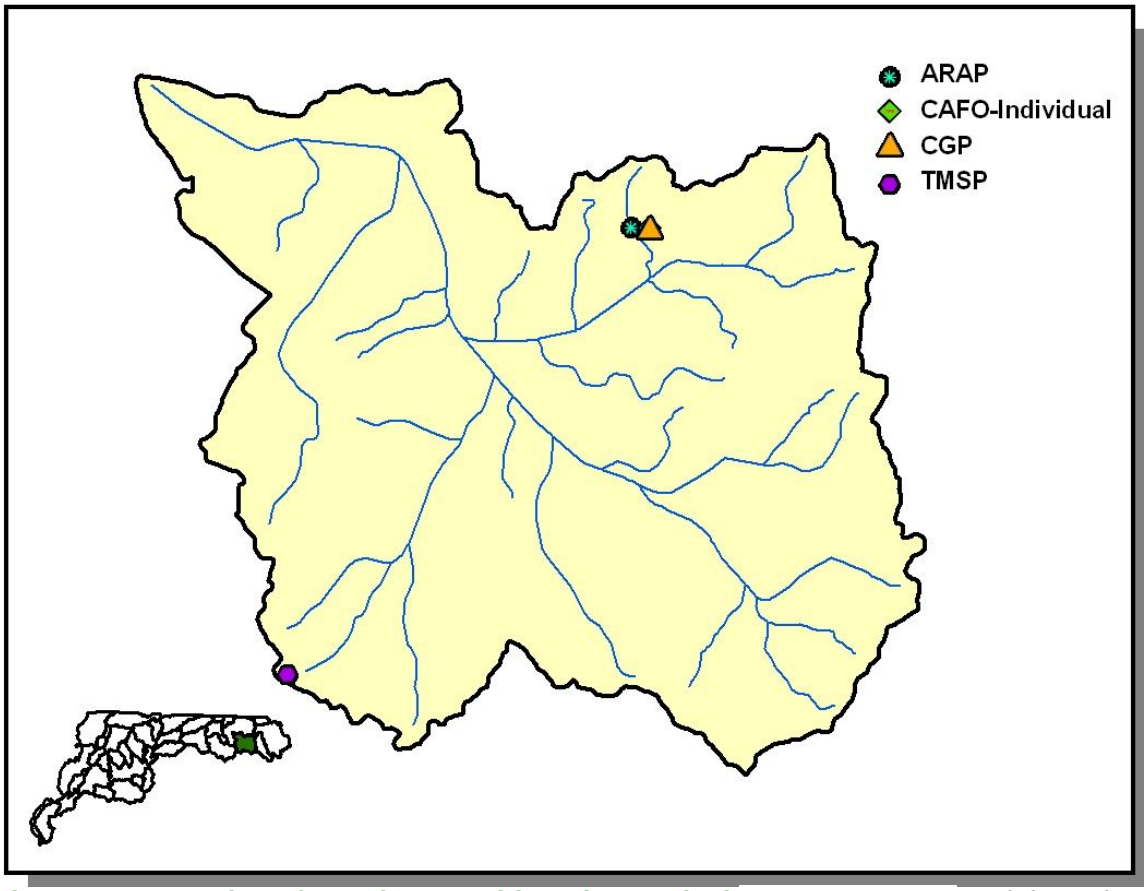

Figure 4-41. Location of Permits Issued in Subwatershed 080102020105. *More information, including the names of facilities, is provided in Appendix IV.*

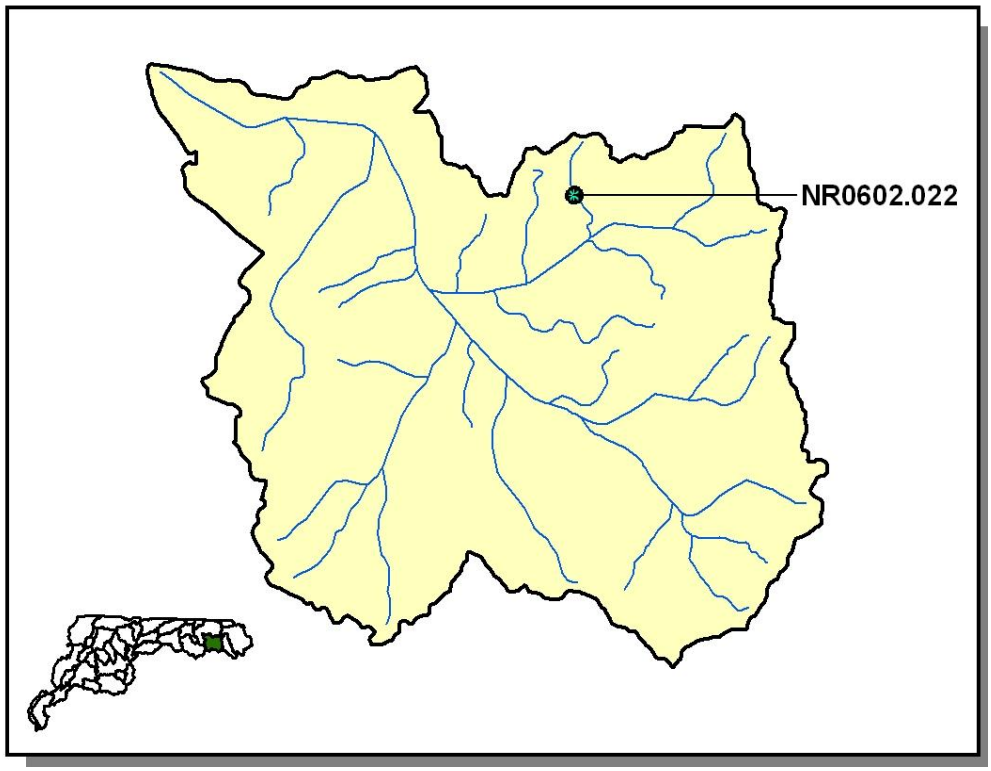

Figure 4-42. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020105. *More information is provided in Appendix IV.*

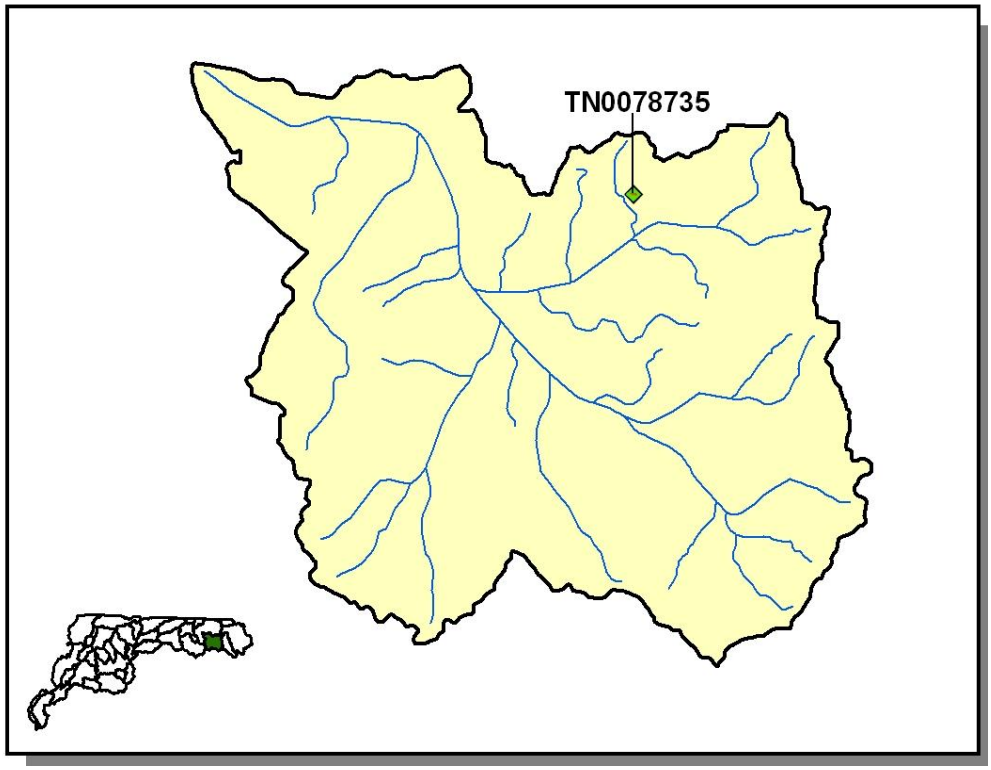

Figure 4-43. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020105. *More information, including the names of facilities, is provided in Appendix IV.*

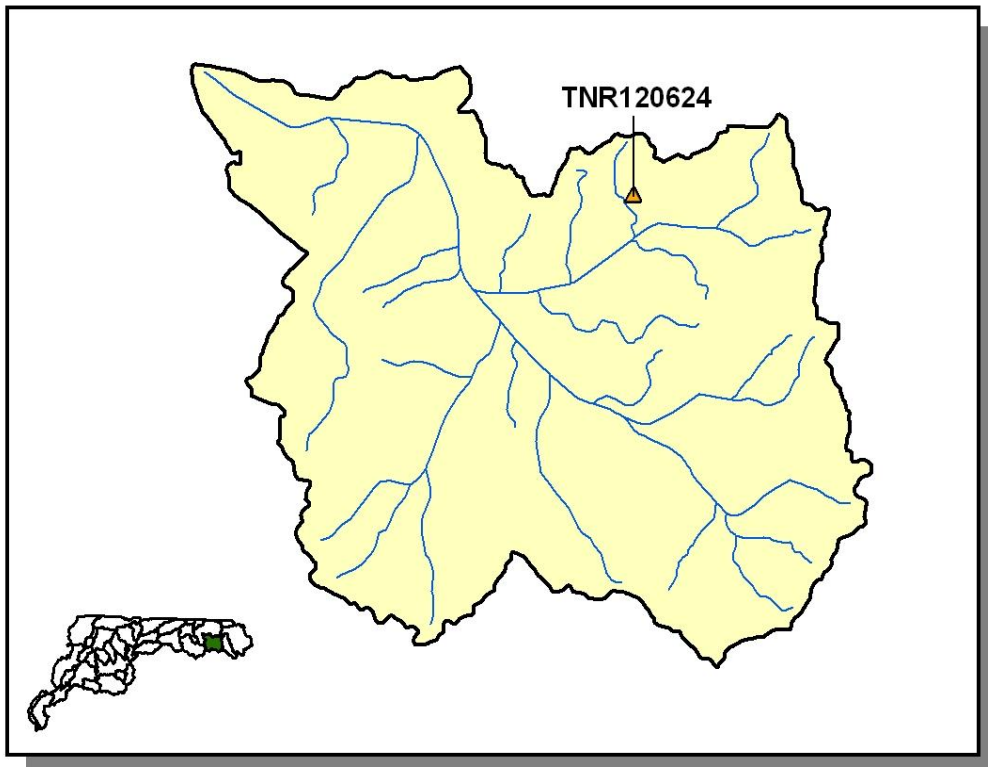

Figure 4-44. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020105. *More information is provided in Appendix IV.*

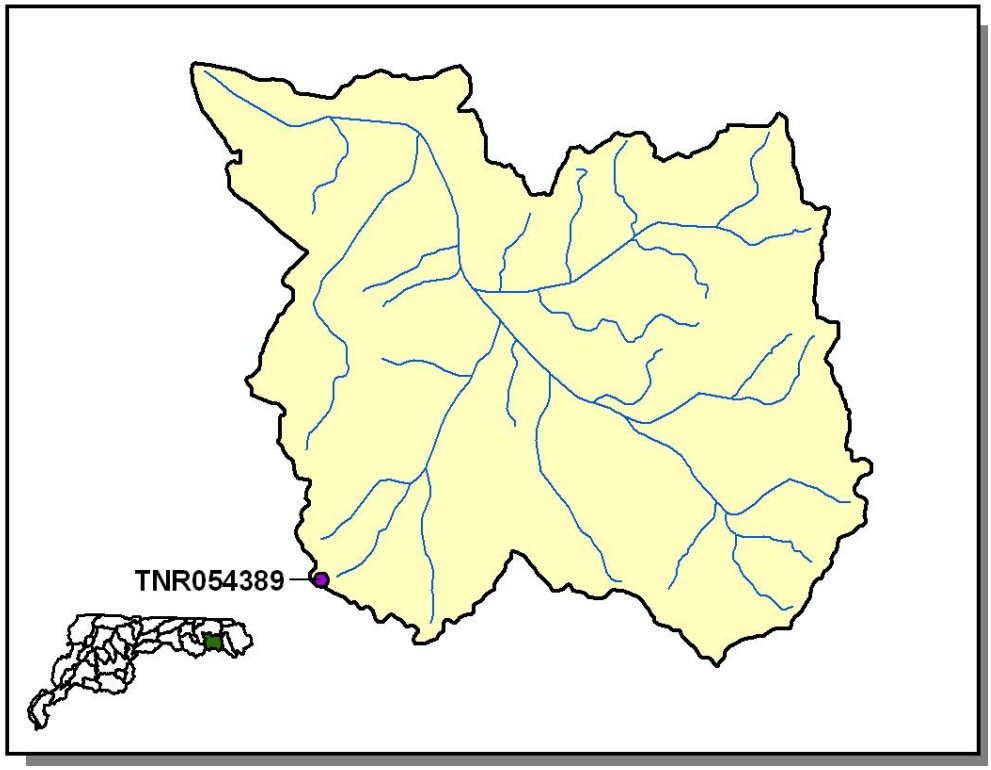

Figure 4-45. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020105. *More information is provided in Appendix IV.*

4.2.E.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Henry	8,920	20,299	1,793	29	36,205	89
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-27. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Henry	176.1	176.1	1.9	7.1
Weakley	96.1	95.9	6.7	24.6

Table 4-28. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Other (Horticultural)	16.41
Wheat (Close Grown Cropland)	8.70
Corn (Row Crops)	7.62
Soybeans (Row Crops)	7.22
Other Cropland not Planted	3.87
Legume (Pastureland)	1.47
Grass Forbs Legumes Mixed (Pastureland)	0.92
Legume (Hayland)	0.49
Conservation Reserve Program Land	0.47
Farmsteads and Ranch Headquarters	0.33
Grass (Hayland)	0.24
Grass (Pastureland)	0.17
Legume Grass (Hayland)	0.11

Table 4-29. Annual Estimated Total Soil Loss in Subwatershed 080102020105.

4.2.F. 080102020106 (Powell Creek).

4.2.F.i. General Description.

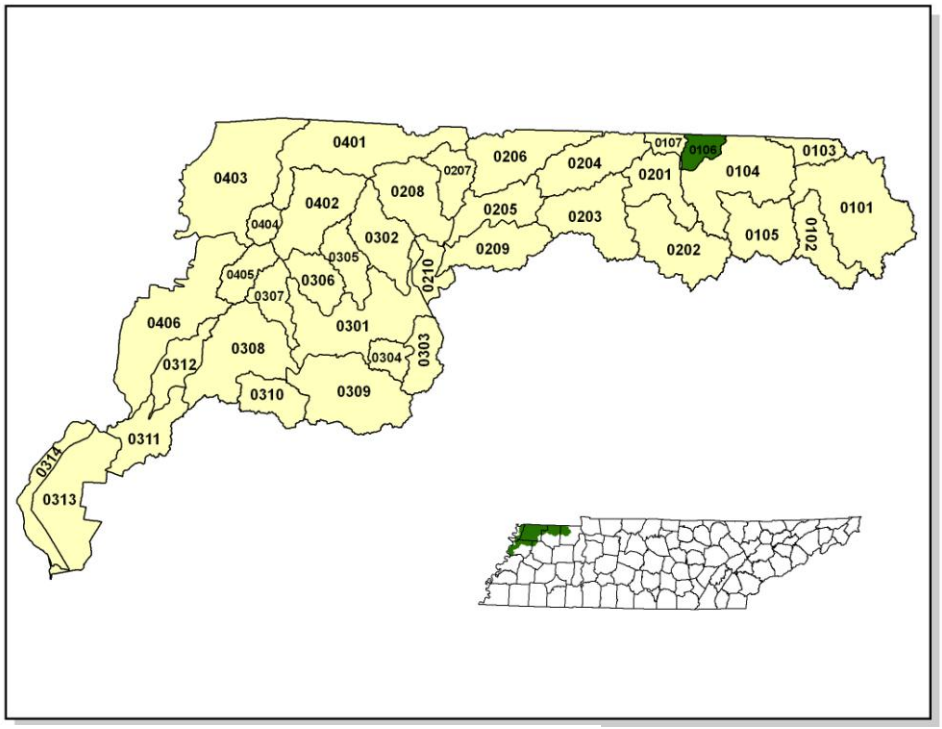

Figure 4-46. Location of Subwatershed 080102020106. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

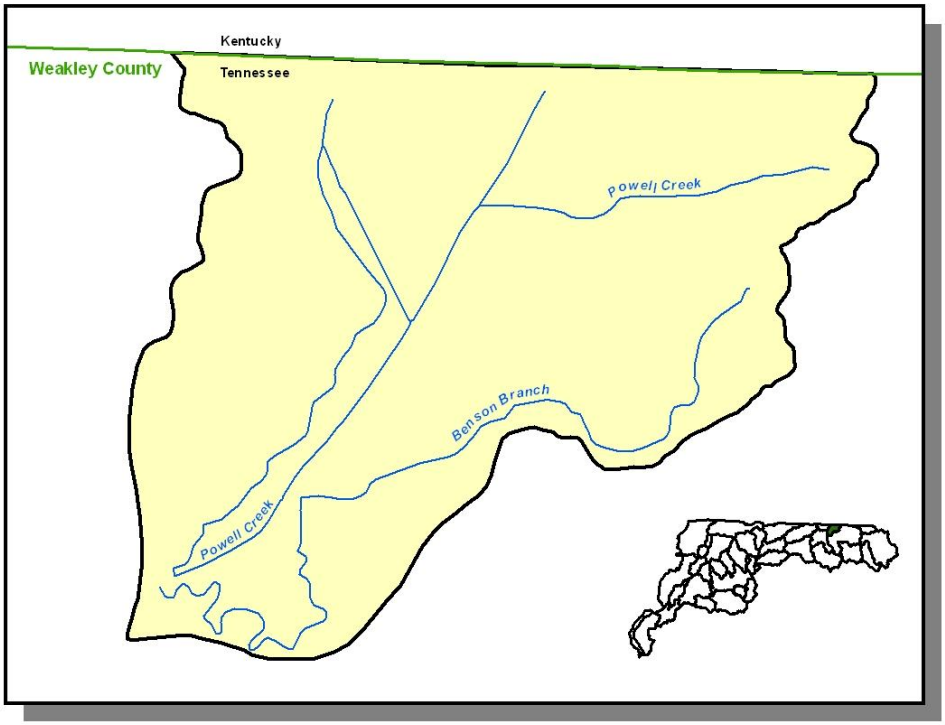

Figure 4-47. Locational Details of Subwatershed 080102020106.

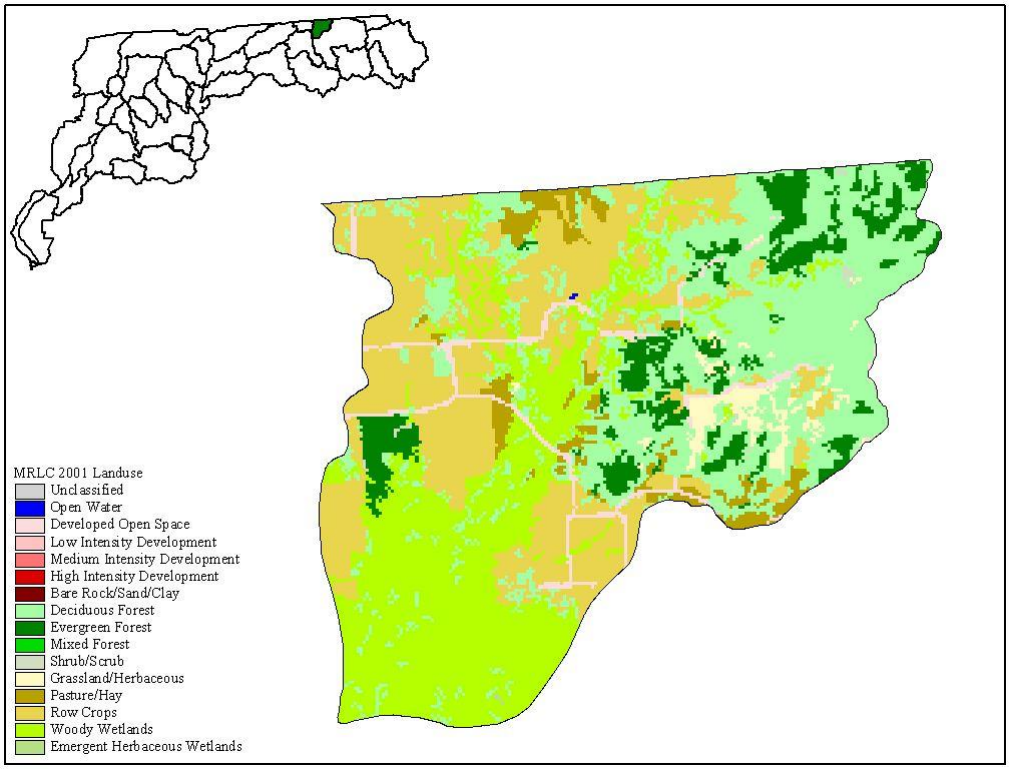

Figure 4-48. Illustration of Land Use Distribution in Subwatershed 080102020106.

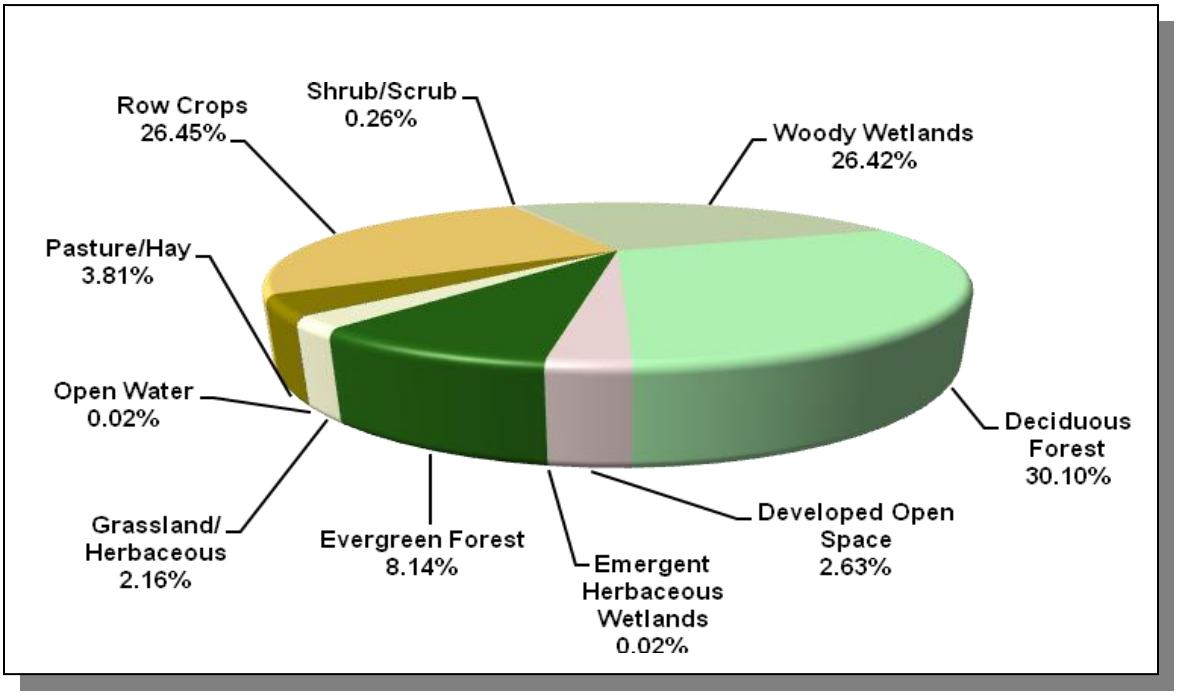

Figure 4-49. Land Use Distribution in Subwatershed 080102020106. *More information is provided in Appendix IV.*

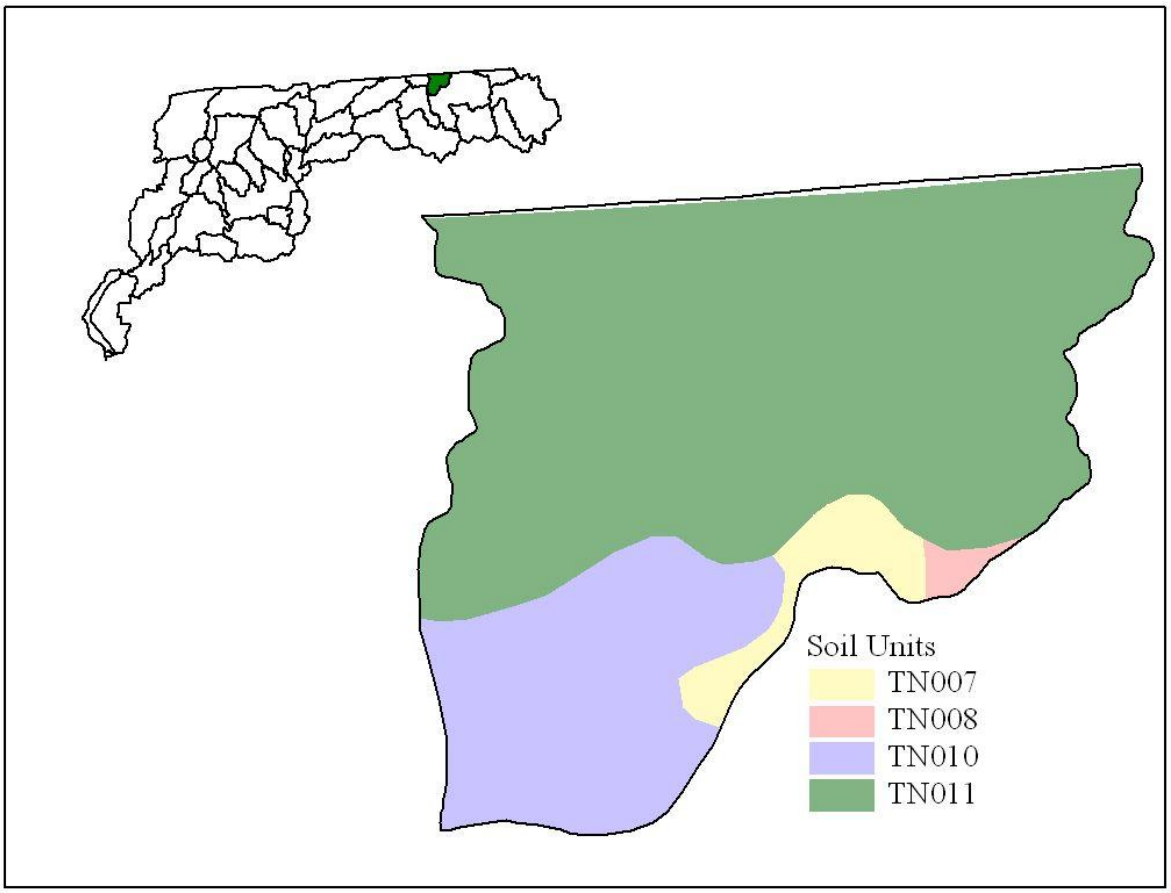

Figure 4-50. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020106.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40

Table 4-30. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020106. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Weakley	31,972	32,808	34,895	1.47	471	483	514	9.10

Table 4-31. Population Estimates in Subwatershed 080102020106.

4.2.F.ii. USGS Gaging Stations and STORET Sites.

There are no USGS gaging stations located in subwatershed 080102020106.

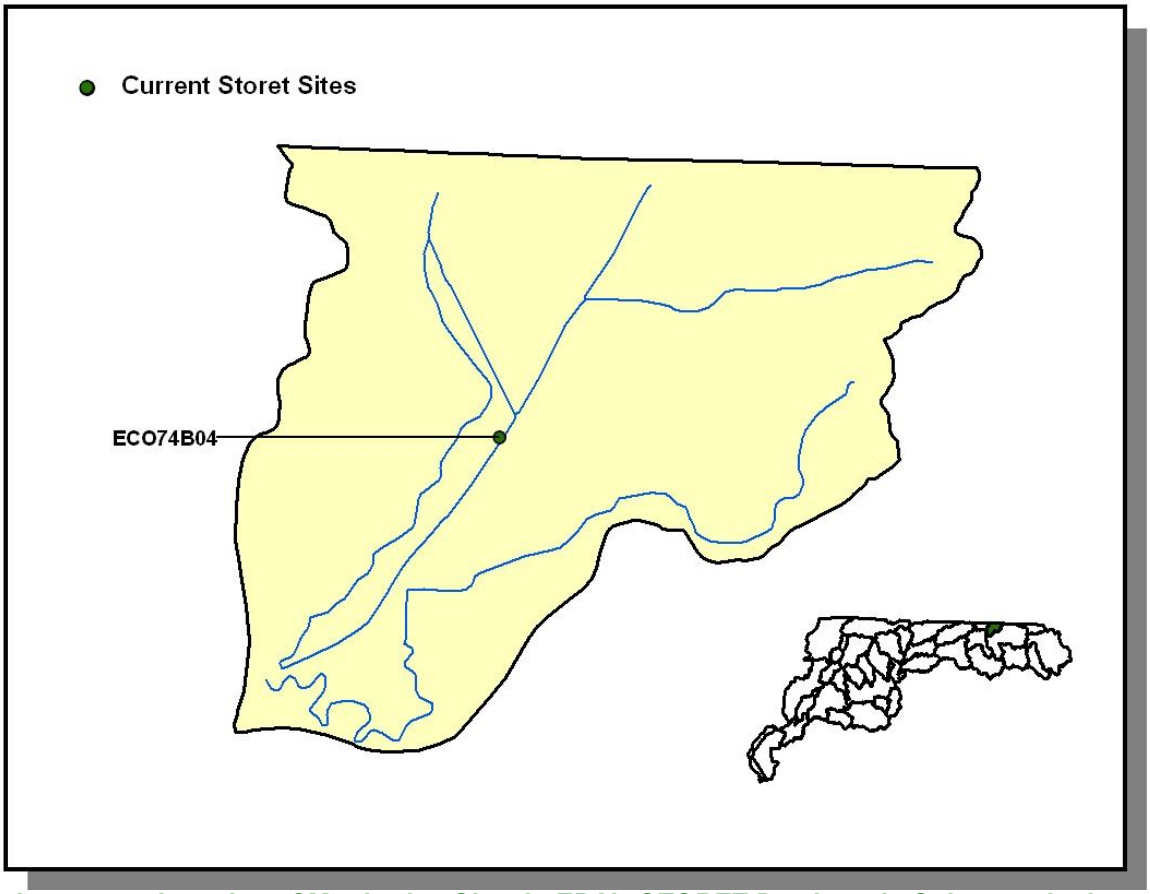

Figure 4-51. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020106. *More information, including site names and locations, is provided in Appendix IV.*

4.2.F.iii. Permitted Activities.

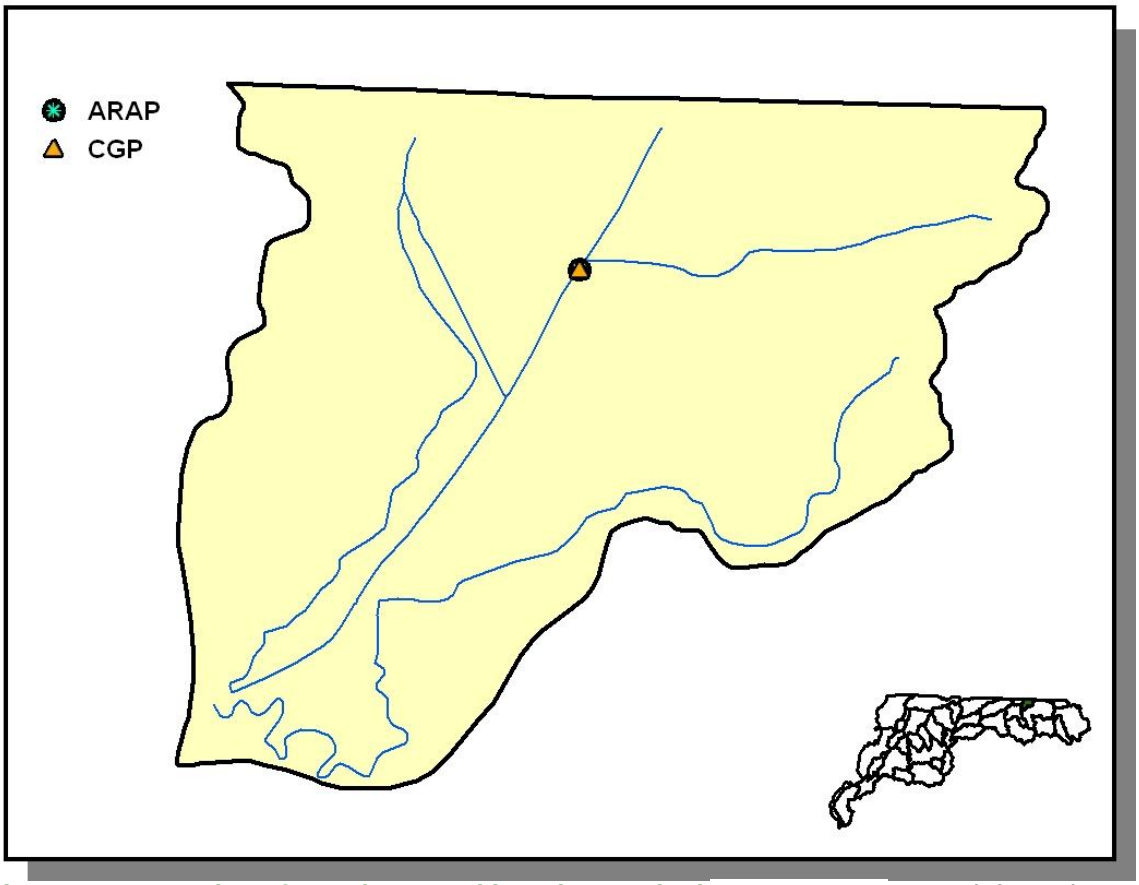

Figure 4-52. Location of Permits Issued in Subwatershed 080102020106. *More information, including the names of facilities, is provided in Appendix IV.*

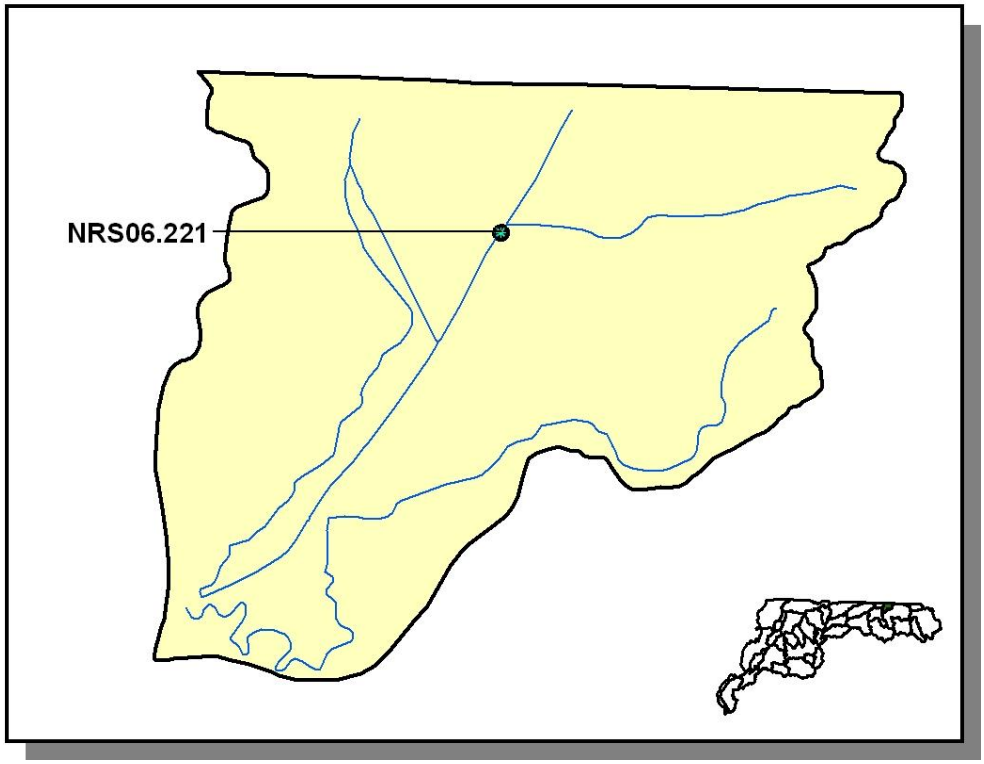

Figure 4-53. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020106. *More information is provided in Appendix IV.*

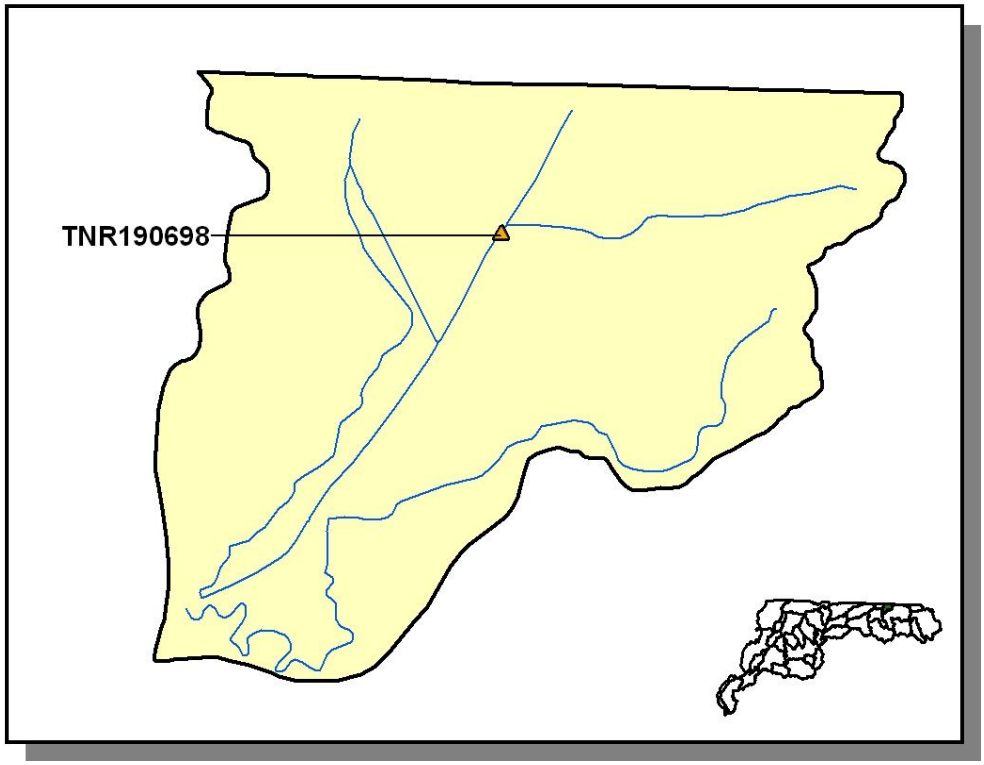

Figure 4-54. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020106. *More information is provided in Appendix IV.*

4.2.F.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-32. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Weakley	96.1	95.9	6.7	24.6

Table 4-33. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	10.01
Soybeans (Row Crops)	7.63
Corn (Row Crops)	7.56
Other Cropland not Planted	4.50
Legume (Pastureland)	1.47
Grass Forbs Legumes Mixed (Pastureland)	1.11
Legume (Hayland)	0.49
Farmsteads and Ranch Headquarters	0.44
Conservation Reserve Program Land	0.43
Grass (Hayland)	0.23
Grass (Pastureland)	0.13

Table 4-34. Annual Estimated Total Soil Loss in Subwatershed 080102020106.

4.2.G. 080102020107 (Blackamore Creek).

4.2.G.i. General Description.

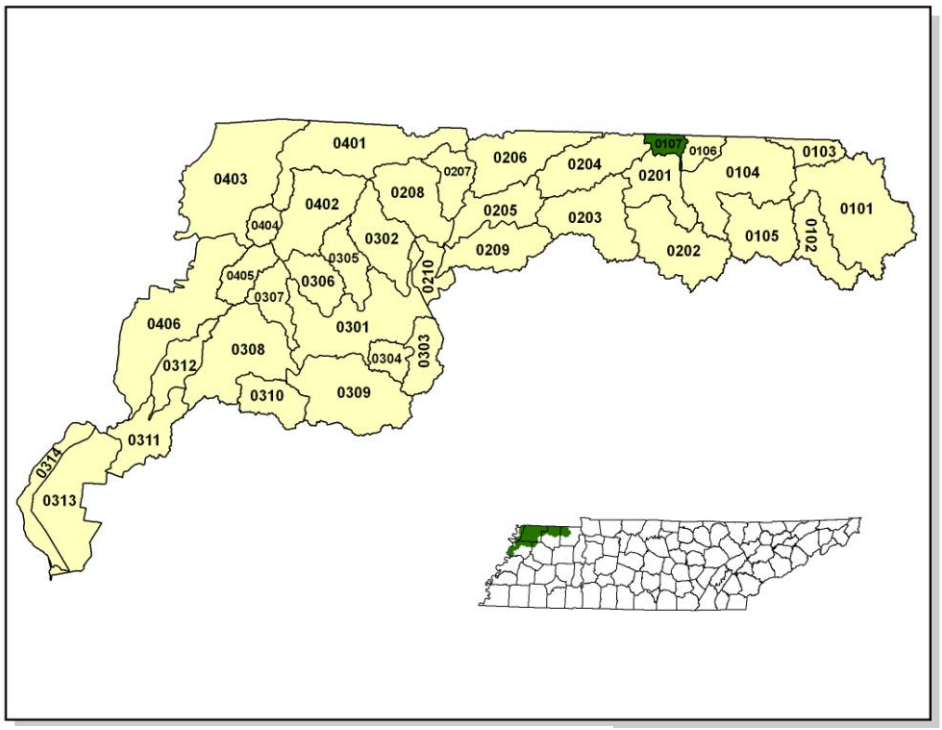

Figure 4-55. Location of Subwatershed 080102020107. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

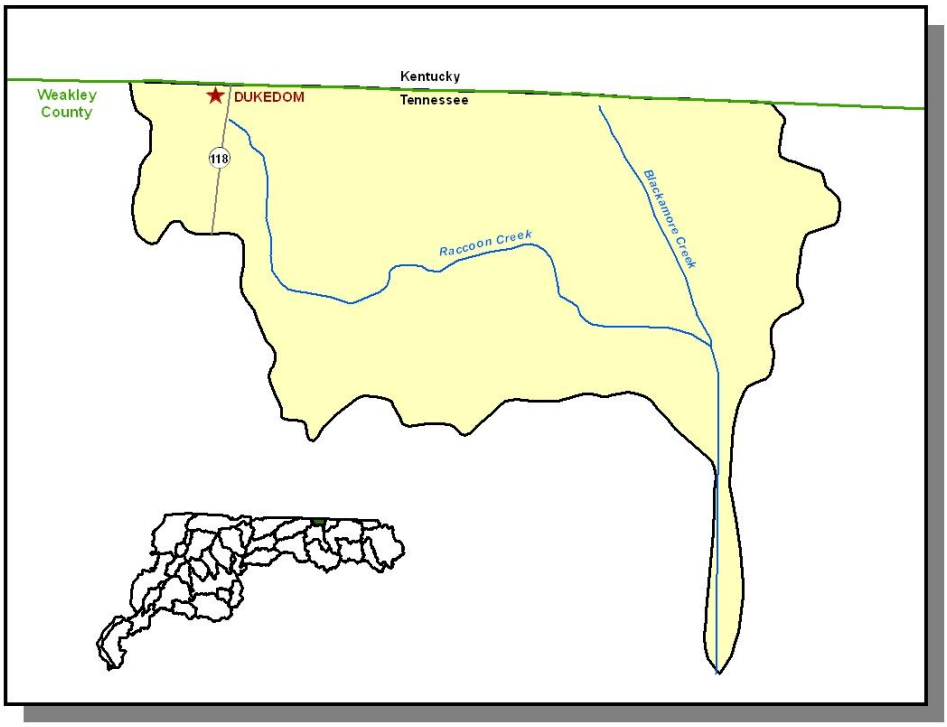

Figure 4-56. Locational Details of Subwatershed 080102020107.

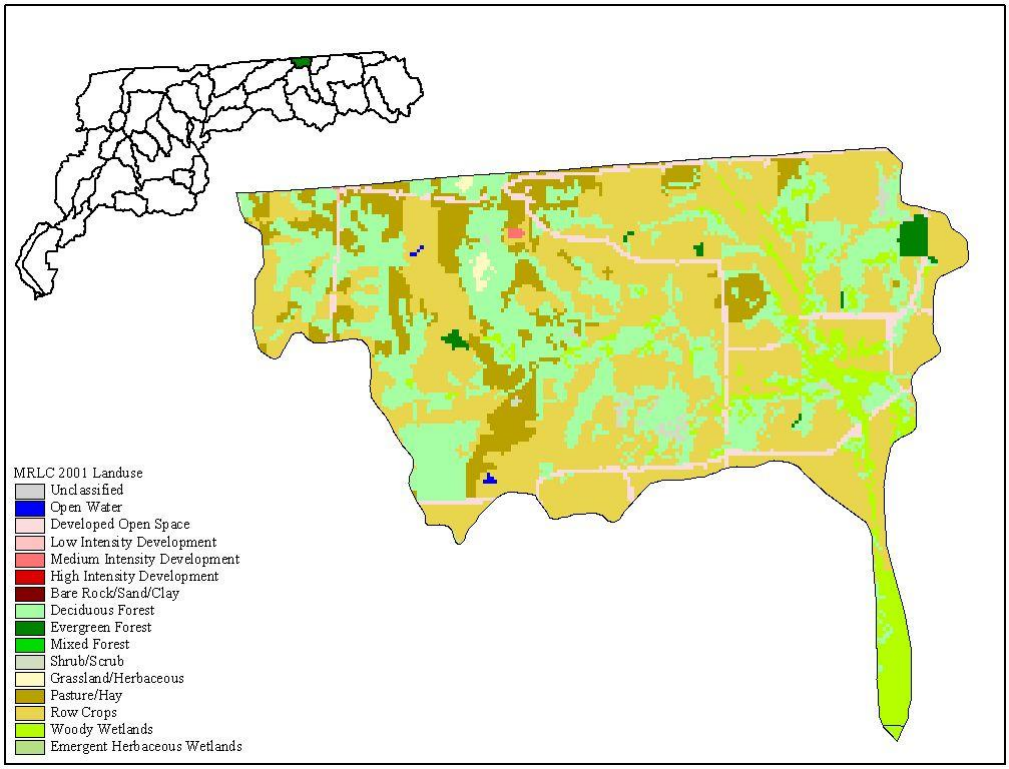

Figure 4-57. Illustration of Land Use Distribution in Subwatershed 080102020107.

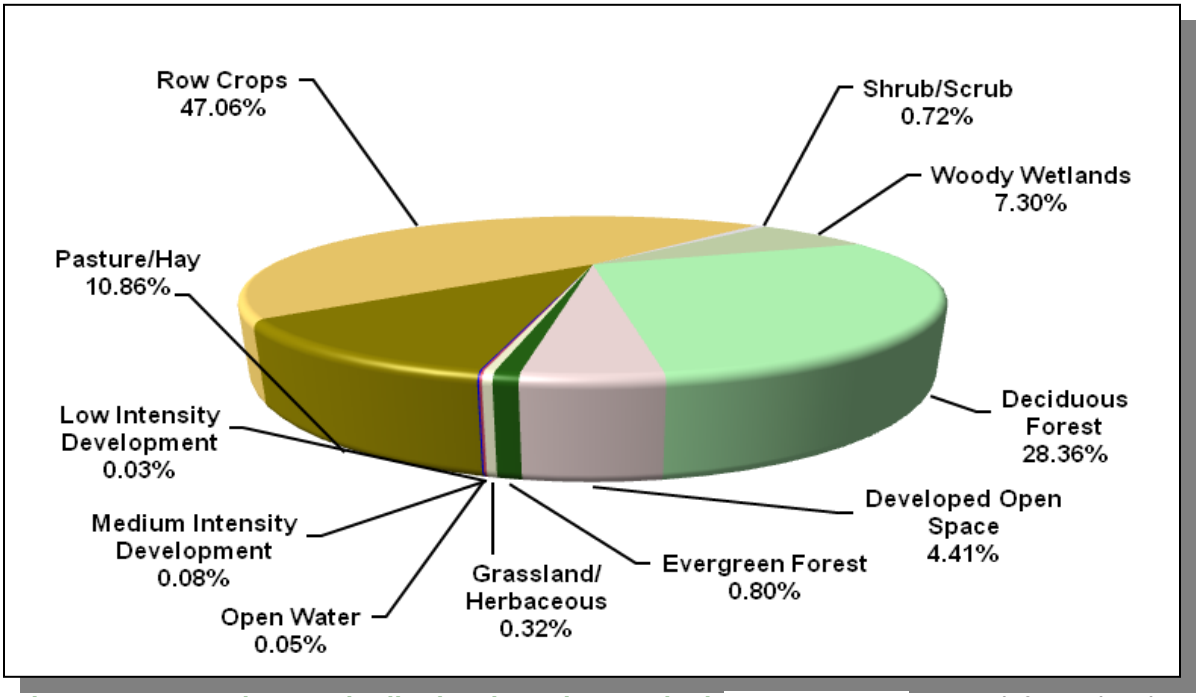

Figure 4-58. Land Use Distribution in Subwatershed 080102020107. *More information is provided in Appendix IV.*

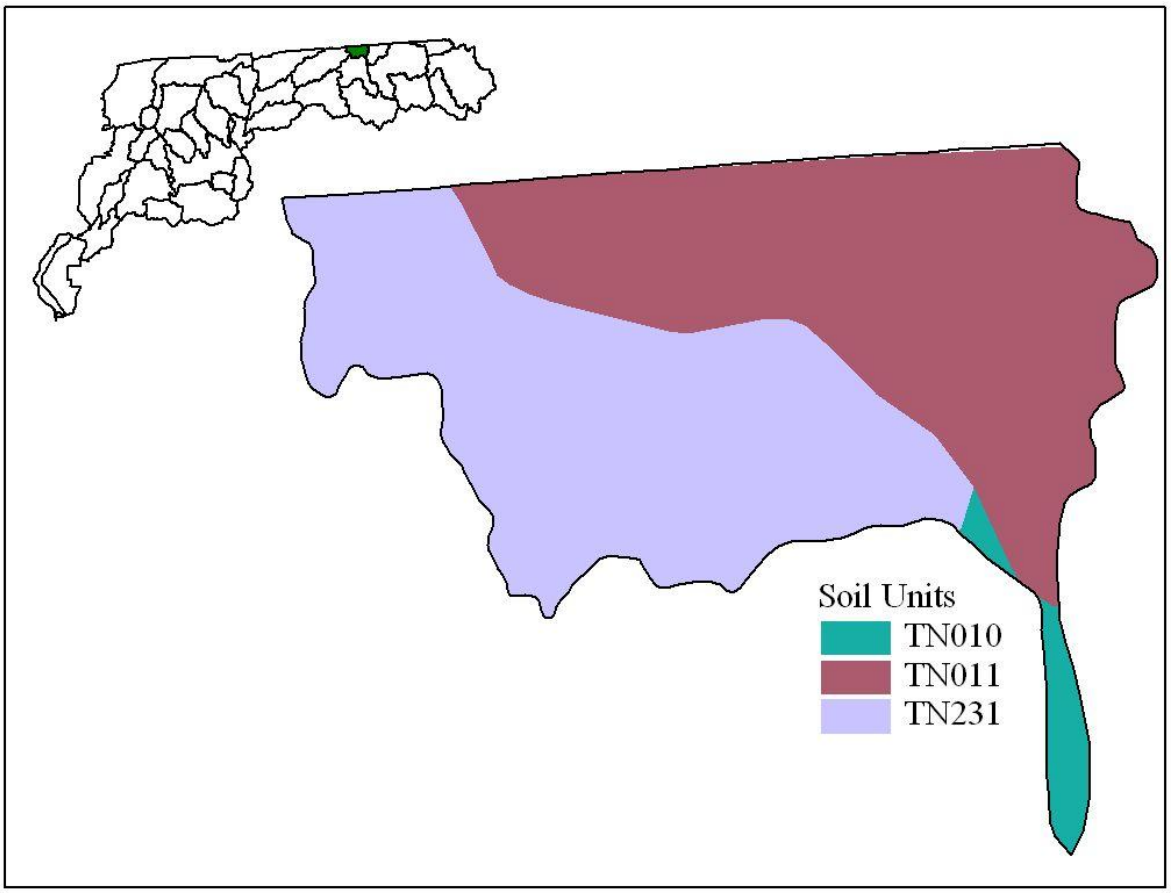

Figure 4-59. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020107.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-35. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020107. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Weakley	31,972	32,808	34,895	1.02	326	334	355	8.90

Table 4-36. Population Estimates in Subwatershed 080102020107.

4.2.G.ii. USGS Gaging Stations and STORET Sites.

There are no USGS gaging stations located in subwatershed 080102020107.

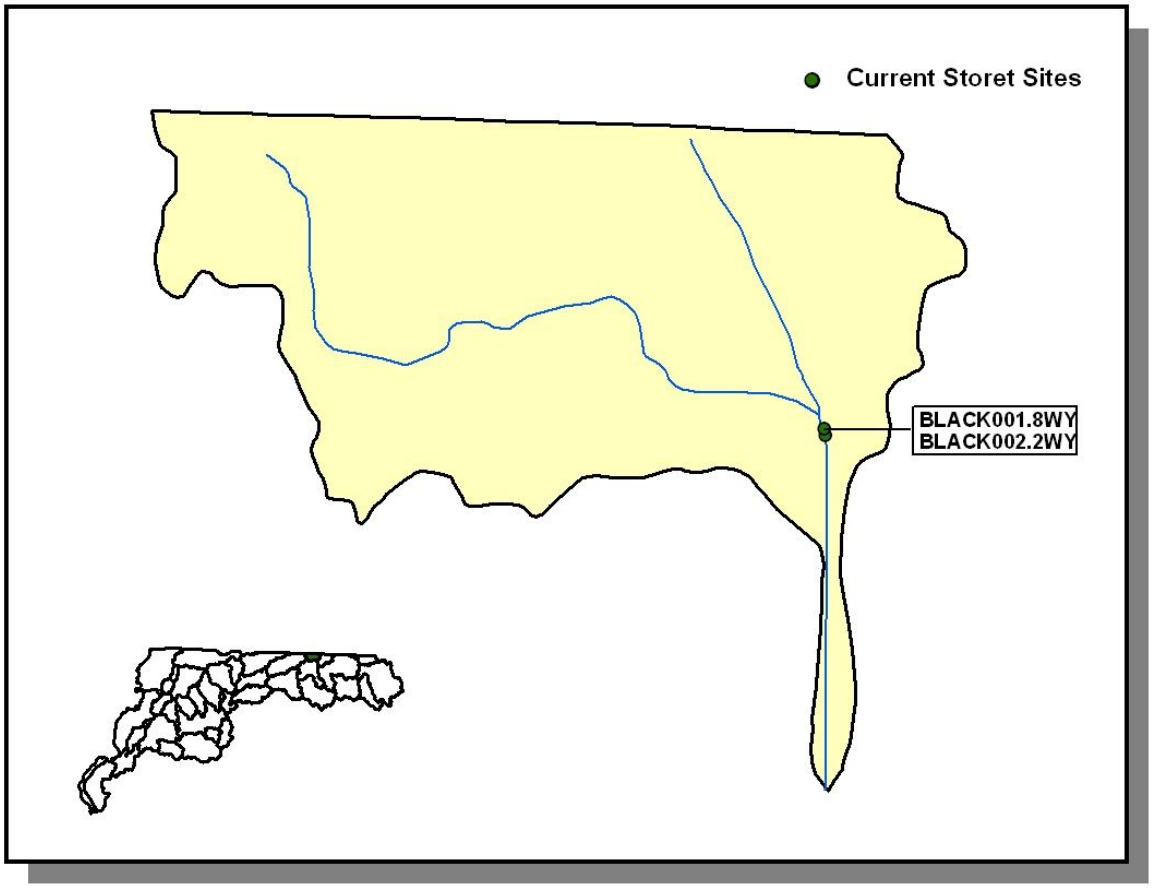

Figure 4-60. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020107. *More information, including site names and locations, is provided in Appendix IV.*

4.2.G.iii. Permitted Activities.

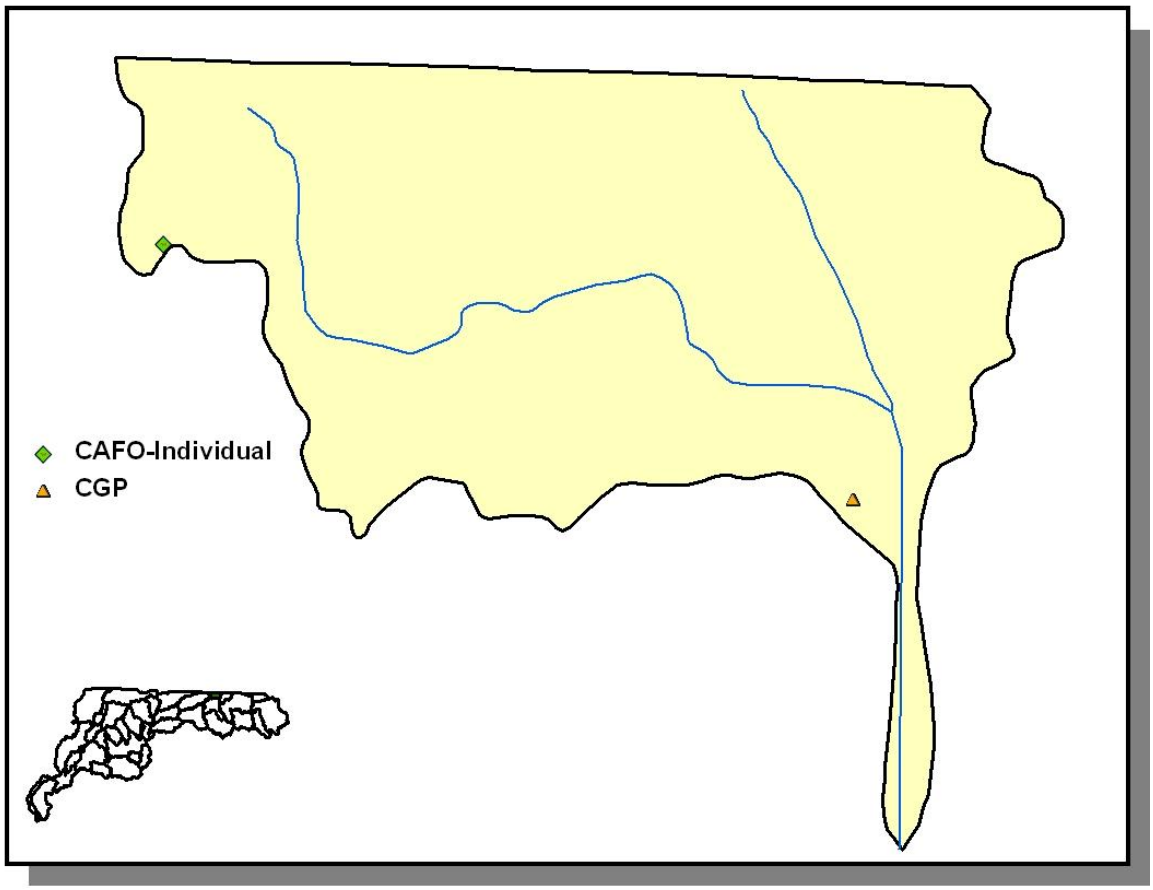

Figure 4-61. Location of Permits Issued in Subwatershed 080102020107. *More information, including the names of facilities, is provided in Appendix IV.*

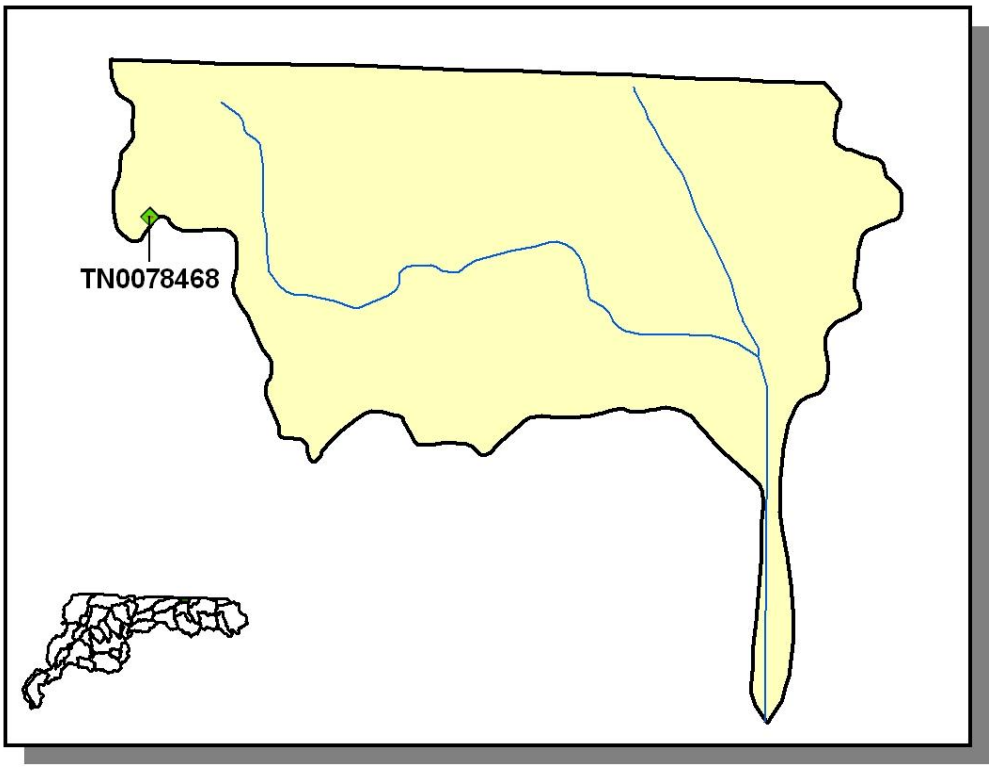

Figure 4-62. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020107. *More information, including the names of facilities, is provided in Appendix IV.*

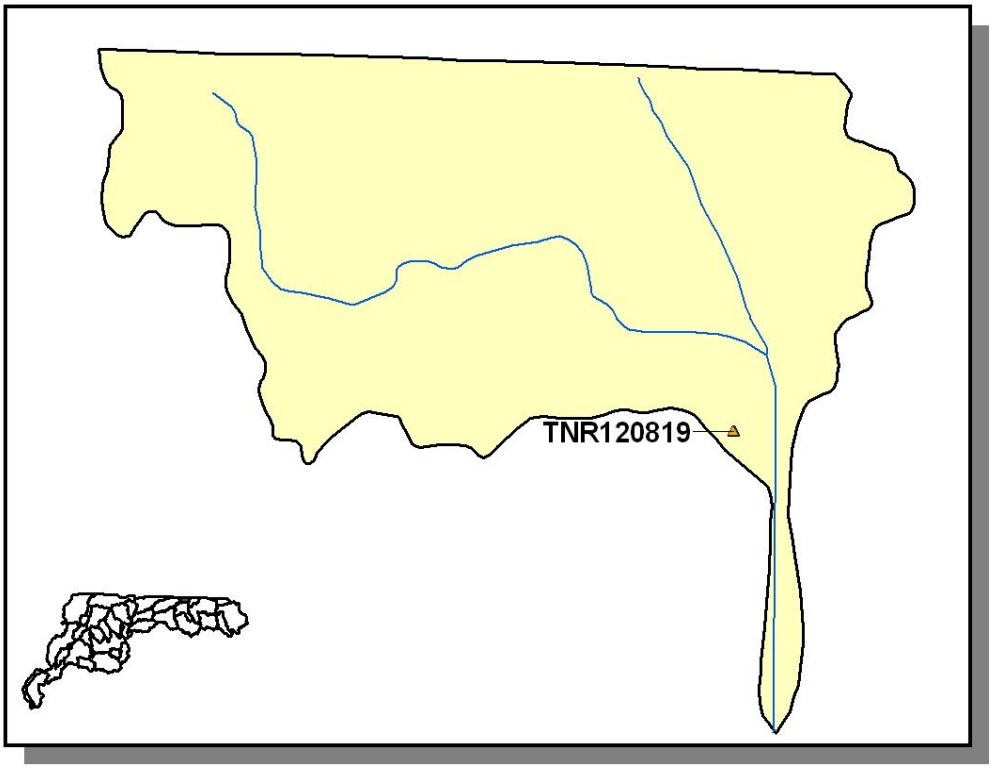

Figure 4-63. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020107. *More information is provided in Appendix IV.*

4.2.G.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-37. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Weakley	96.1	95.9	6.7	24.6

Table 4-38. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	10.01
Soybeans (Row Crops)	7.63
Corn (Row Crops)	7.56
Other Cropland not Planted	4.50
Legume (Pastureland)	1.47
Grass Forbs Legumes Mixed (Pastureland)	1.11
Legume (Hayland)	0.49
Farmsteads and Ranch Headquarters	0.44
Conservation Reserve Program Land	0.43
Grass (Hayland)	0.23
Grass (Pastureland)	0.13

Table 4-39. Annual Estimated Total Soil Loss in Subwatershed 080102020107

4.2.H. 080102020201 (North Fork Obion River).

4.2.H.i. General Description.

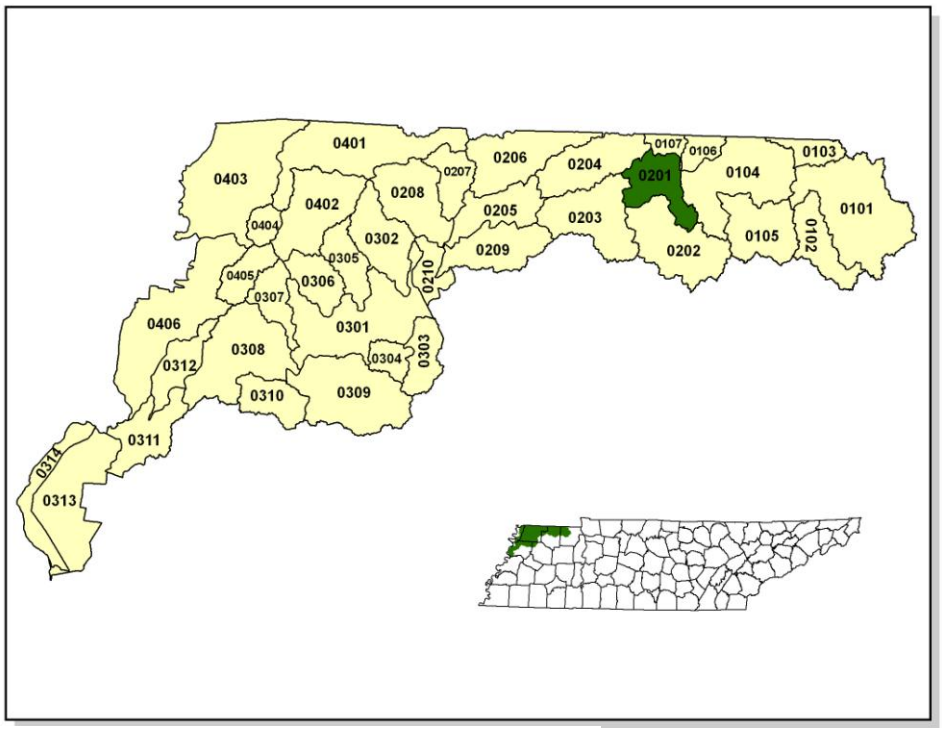

Figure 4-64. Location of Subwatershed 080102020201. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

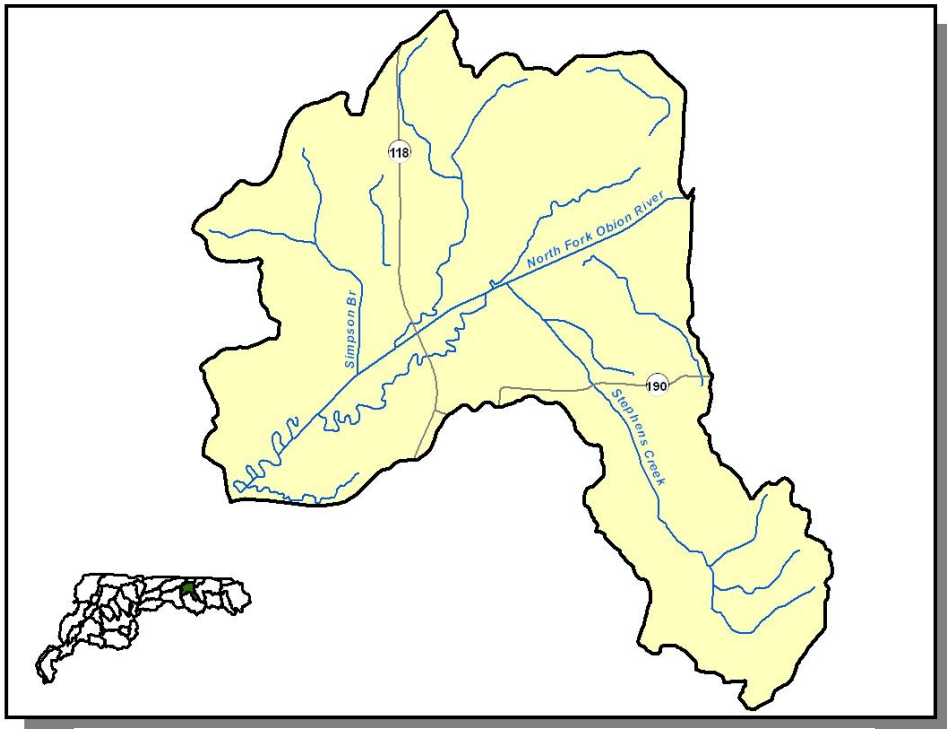

Figure 4-65. Locational Details of Subwatershed 080102020201.

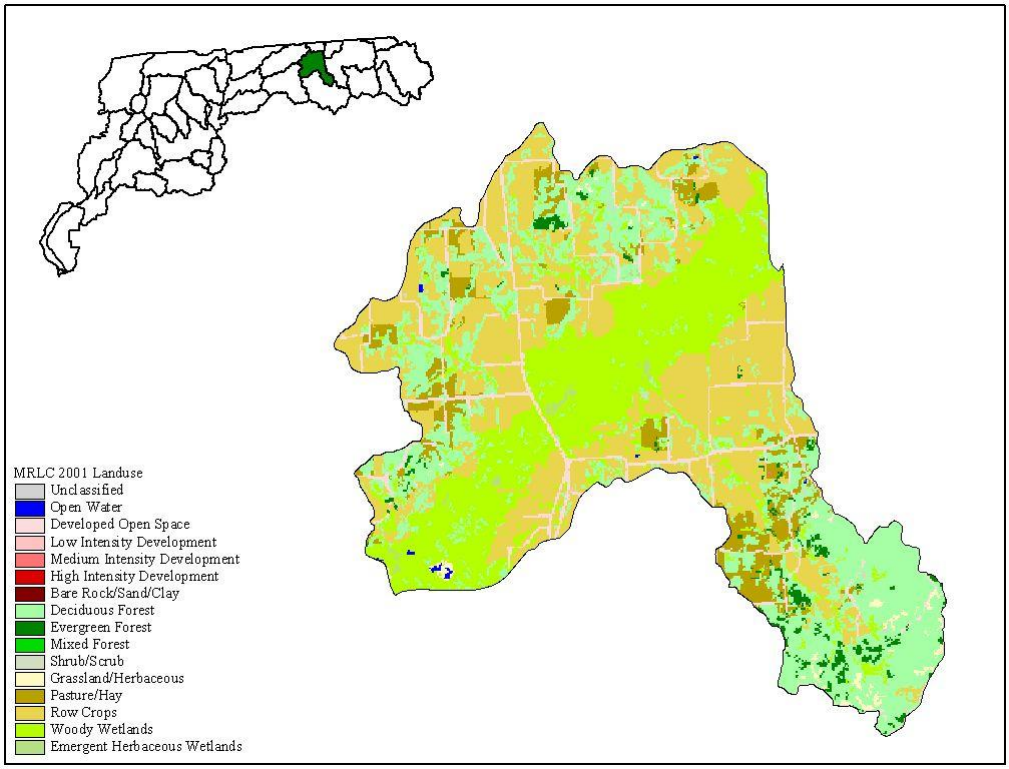

Figure 4-66. Illustration of Land Use Distribution in Subwatershed 080102020201.

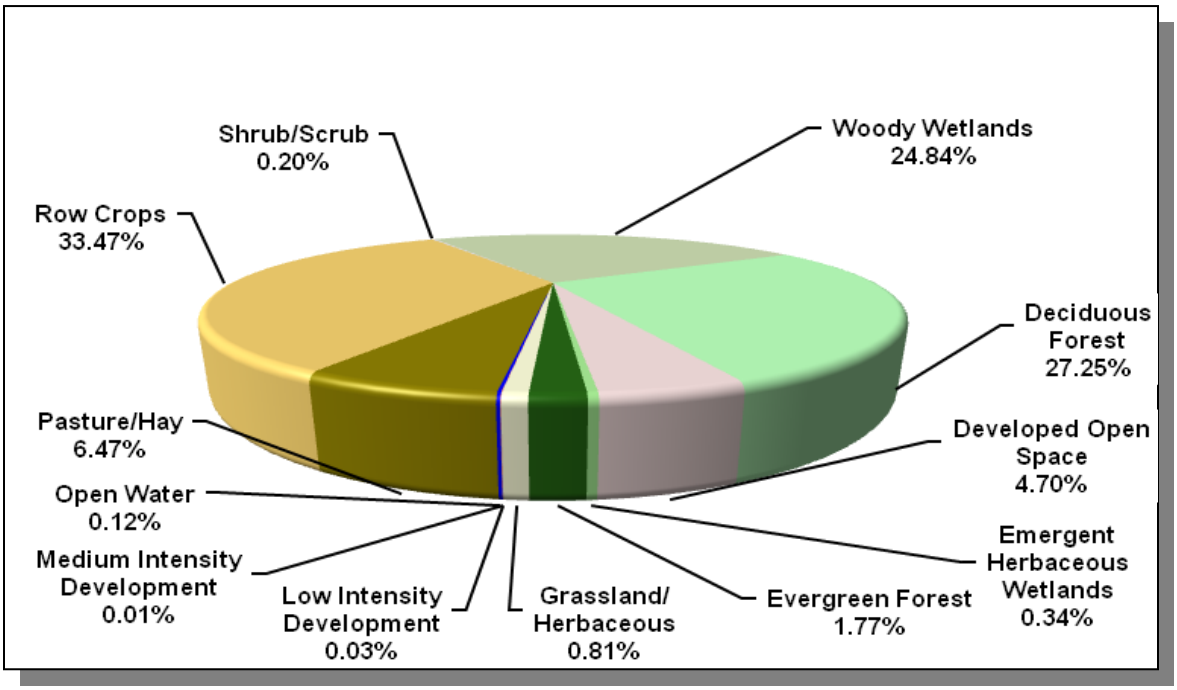

Figure 4-67. Land Use Distribution in Subwatershed 080102020201. *More information is provided in Appendix IV.*

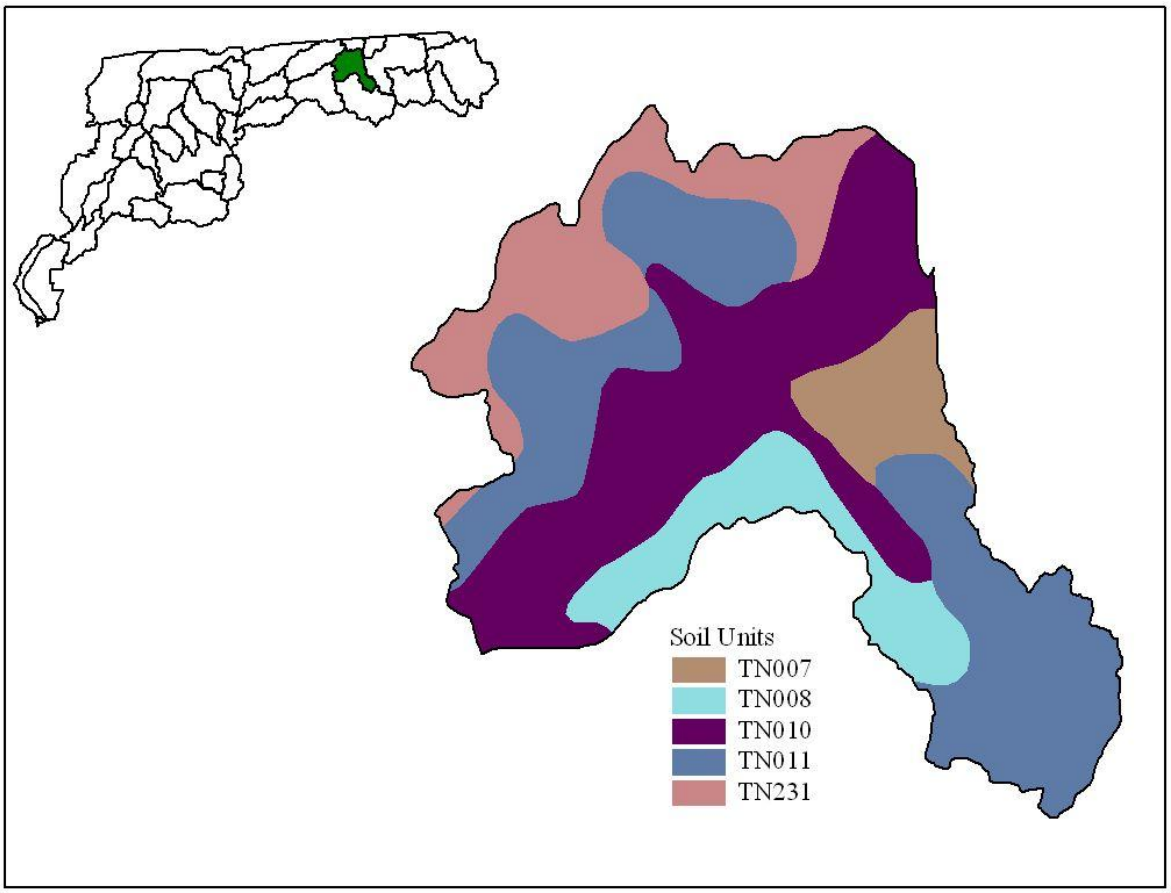

Figure 4-68. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020201.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-40. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020201. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Weakley	31,972	32,808	34,895	4.18	1,336	1,371	1,458	9.10

Table 4-41. Population Estimates in Subwatershed 080102020201.

4.2.H.ii. USGS Gaging Stations and STORET Sites.

There are no USGS gaging stations or STORET sites located in subwatershed 080102020201.

4.2.H.iii. Permitted Activities.

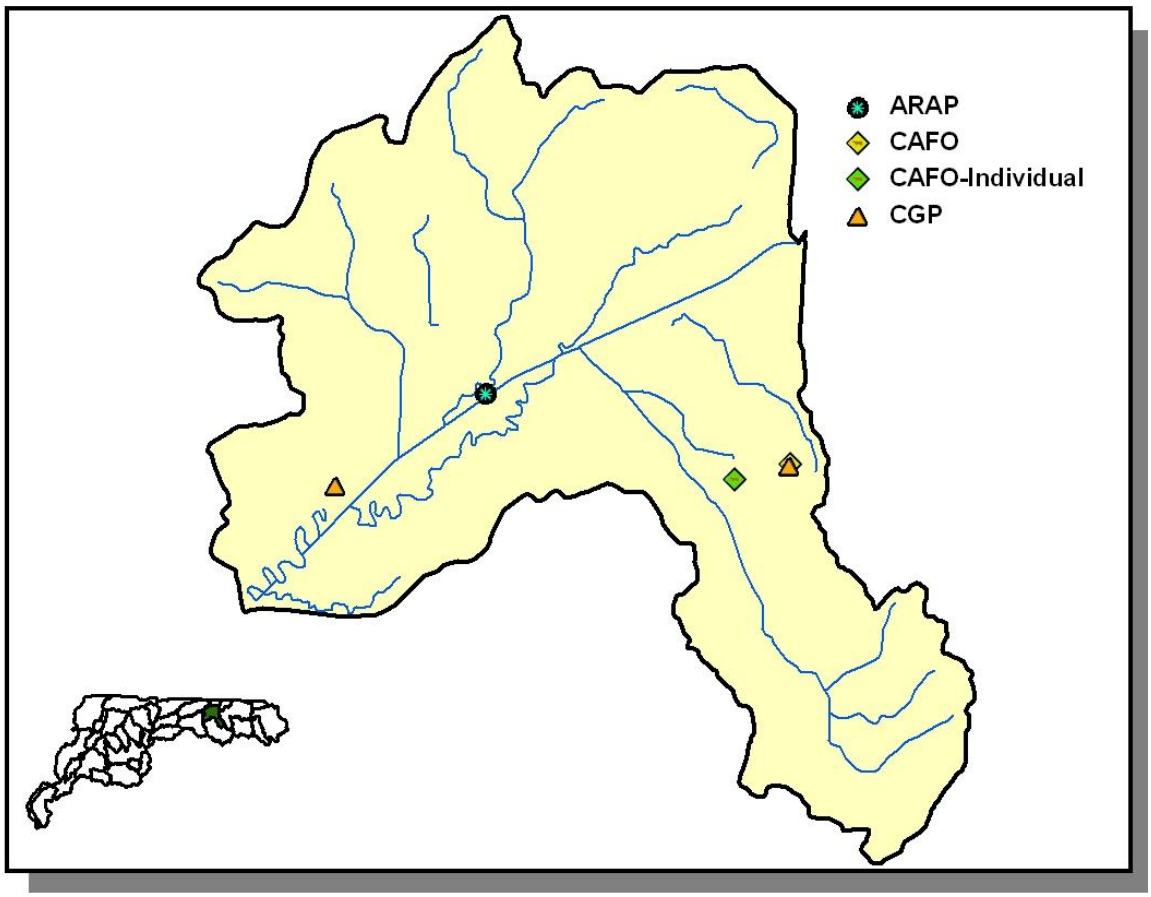

Figure 4-69. Location of Permits Issued in Subwatershed 080102020201. *More information, including the names of facilities, is provided in Appendix IV.*

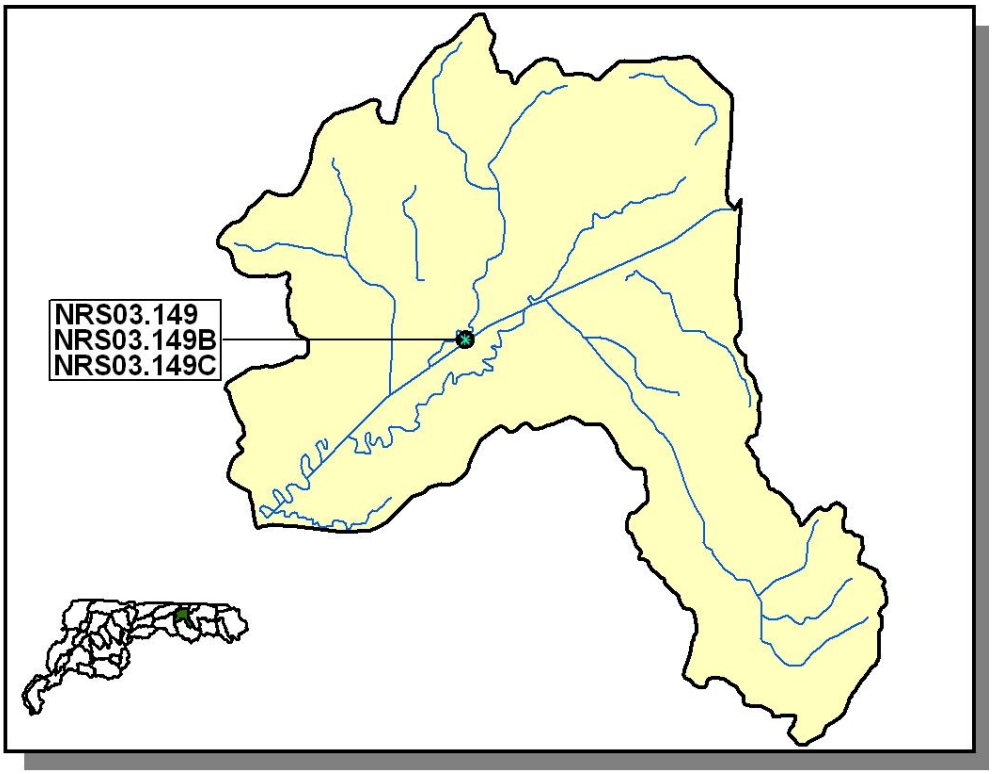

Figure 4-70. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020201. *More information is provided in Appendix IV.*

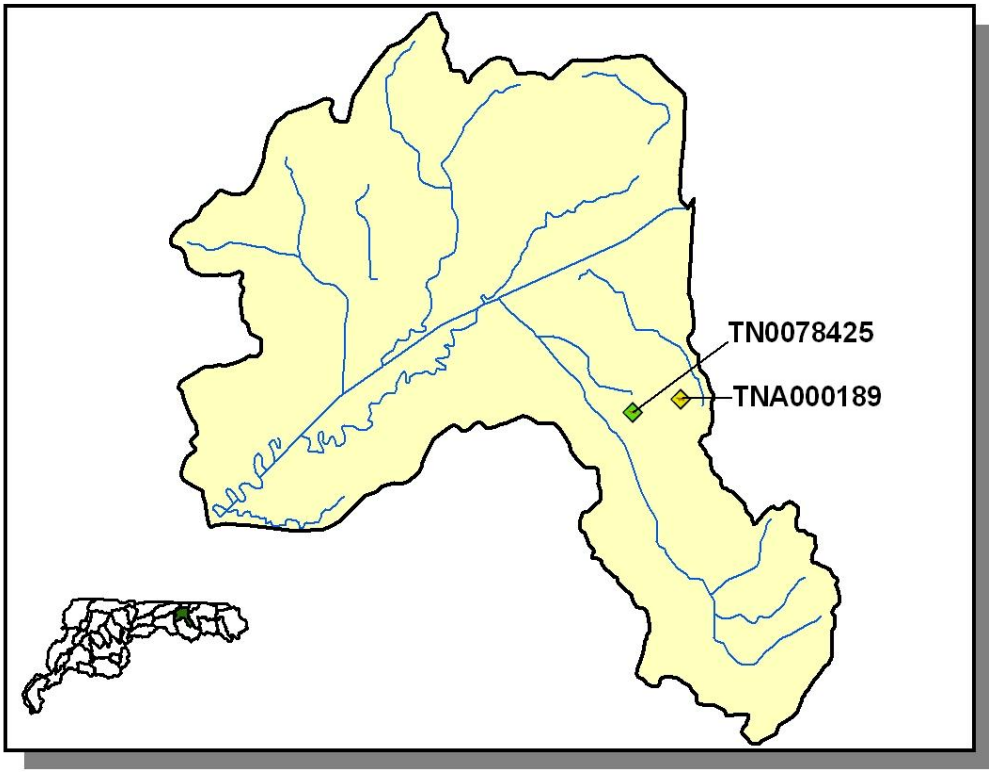

Figure 4-71. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020201. *More information, including the names of facilities, is provided in Appendix IV.*

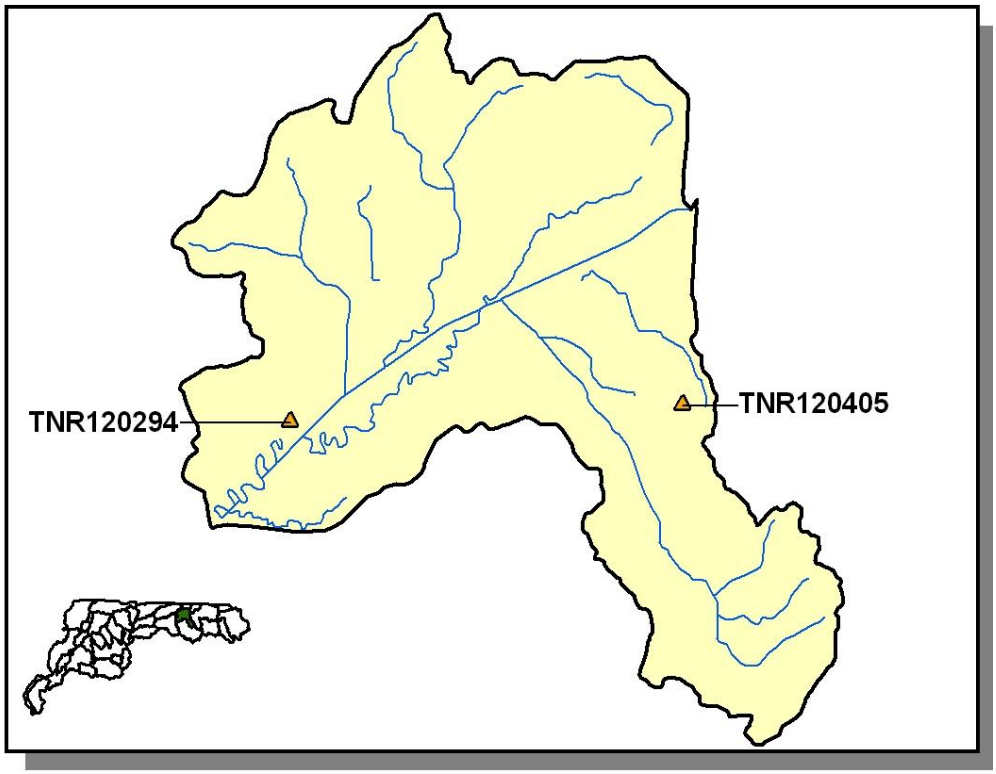

Figure 4-72. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020201. *More information is provided in Appendix IV.*

4.2.H.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-42. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Weakley	96.1	95.9	6.7	24.6

Table 4-43. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	10.01
Soybeans (Row Crops)	7.63
Corn (Row Crops)	7.56
Other Cropland not Planted	4.50
Legume (Pastureland)	1.47
Grass Forbs Legumes Mixed (Pastureland)	1.11
Legume (Hayland)	0.49
Farmsteads and Ranch Headquarters	0.44
Conservation Reserve Program Land	0.43
Grass (Hayland)	0.23
Grass (Pastureland)	0.13

Table 4-44. Annual Estimated Total Soil Loss in Subwatershed 080102020201.

4.2.I. 080102020202 (Cypress Creek).

4.2.I.i. General Description.

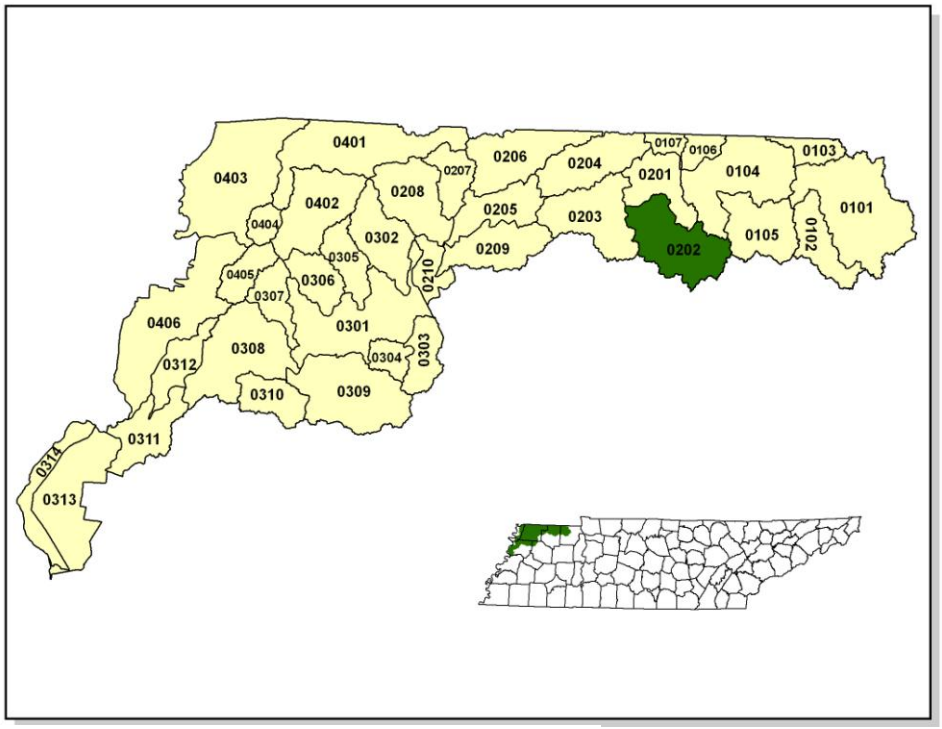

Figure 4-73. Location of Subwatershed 080102020202. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

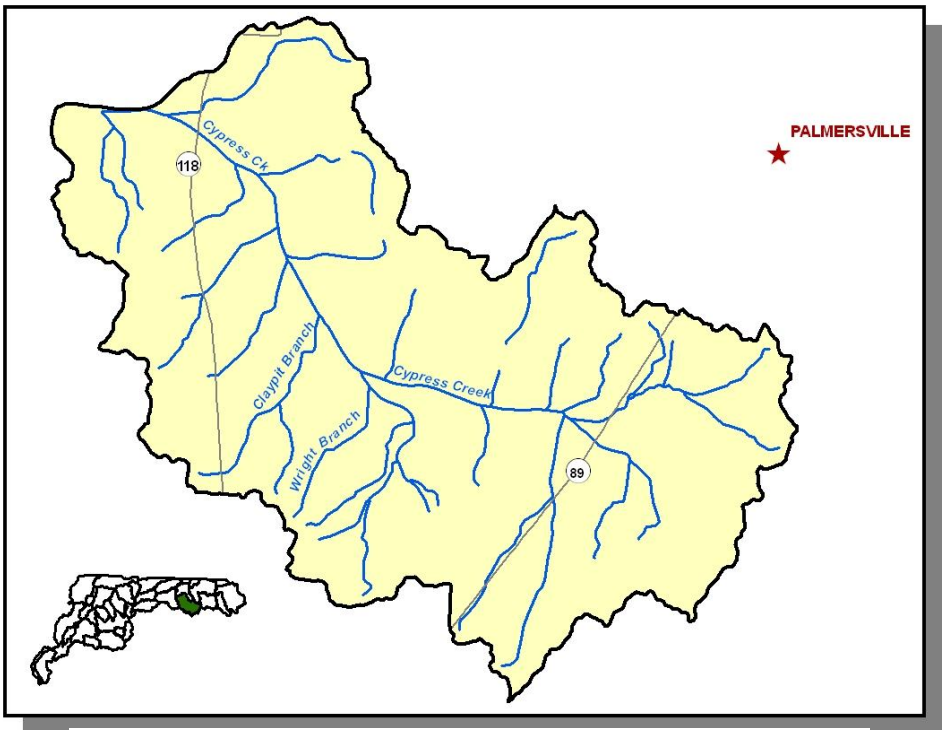

Figure 4-74. Locational Details of Subwatershed 080102020202.

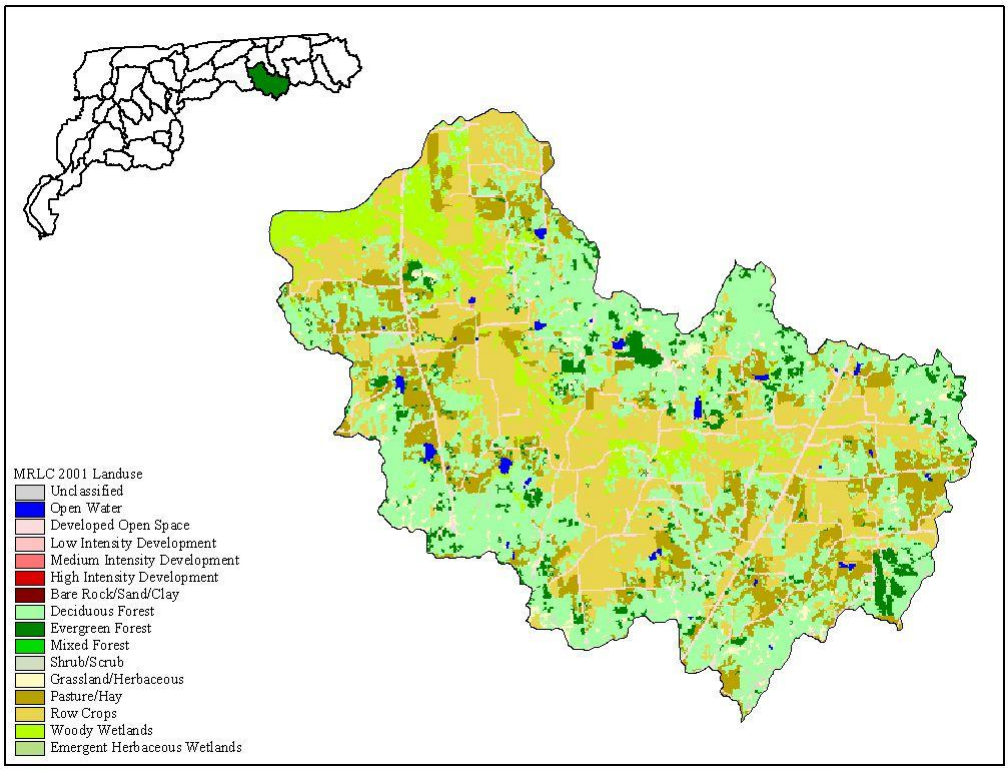

Figure 4-75. Illustration of Land Use Distribution in Subwatershed 080102020202.

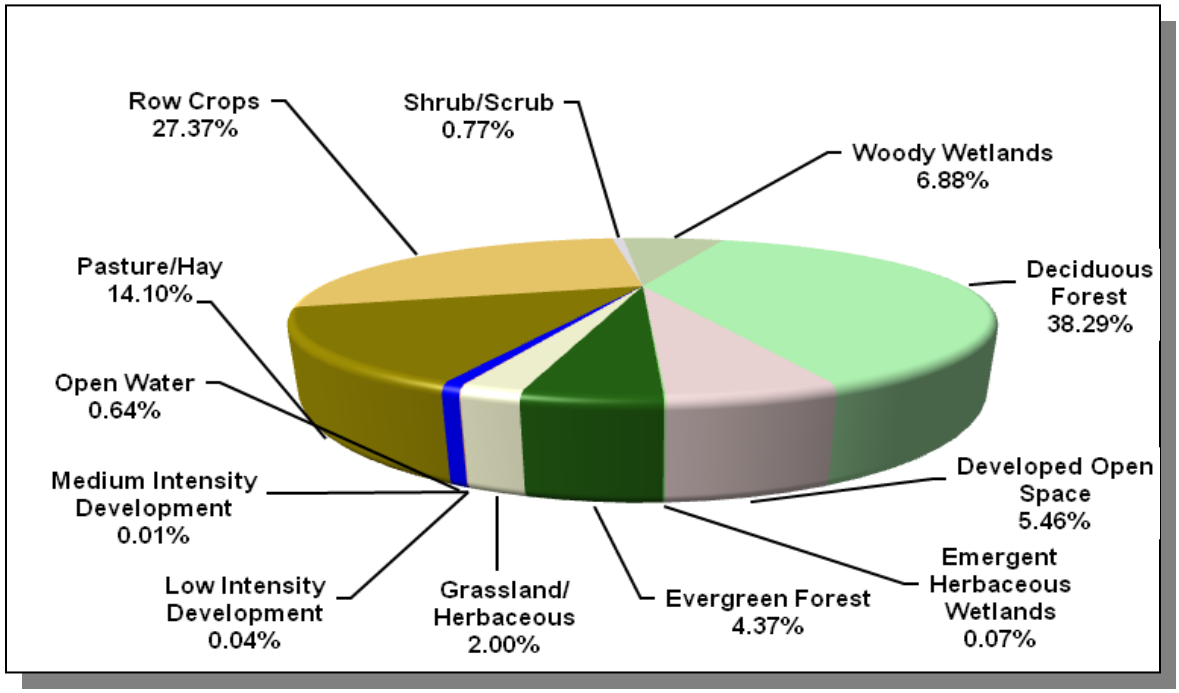

Figure 4-76. Land Use Distribution in Subwatershed 080102020202. *More information is provided in Appendix IV.*

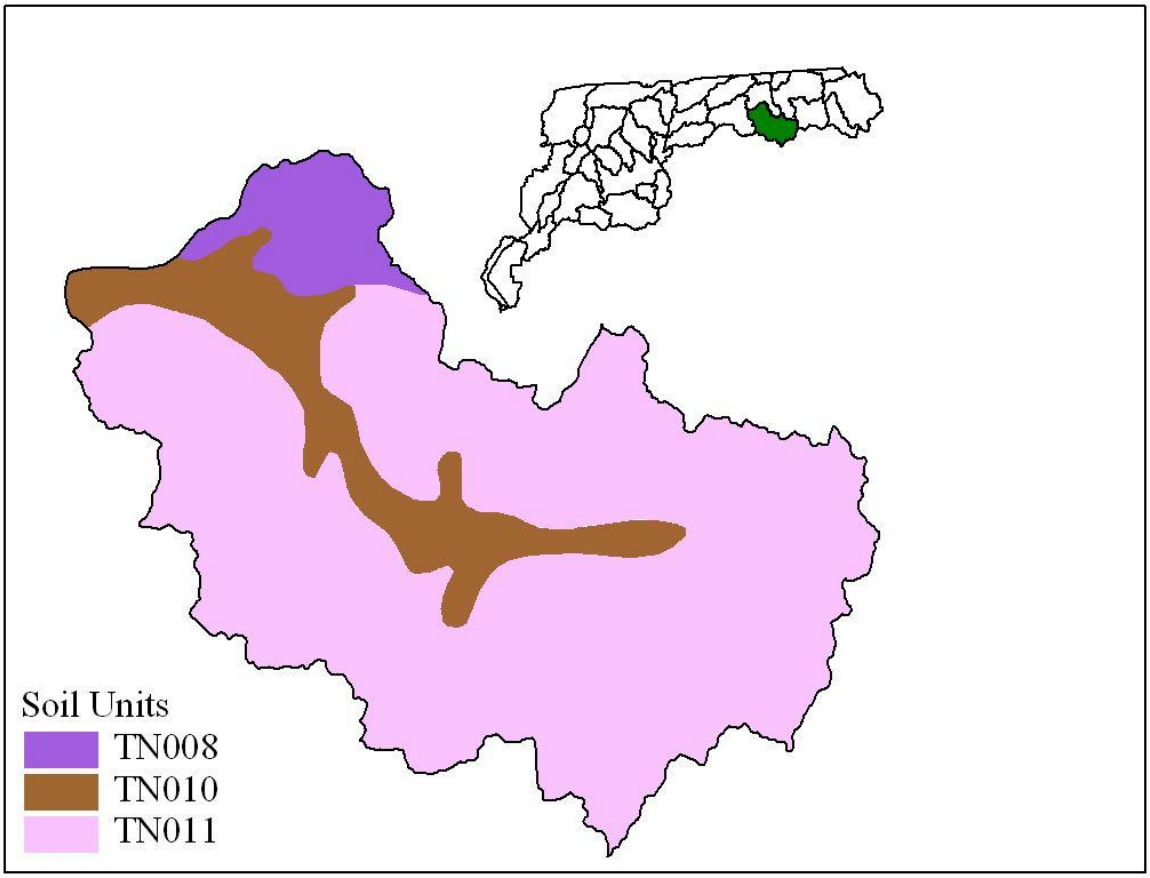

Figure 4-77. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020202.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40

Table 4-45. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020202. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Weakley	31,972	32,808	34,895	7.25	2,317	2,378	2,529	9.10

Table 4-46. Population Estimates in Subwatershed 080102020202.

4.2.I.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020202.

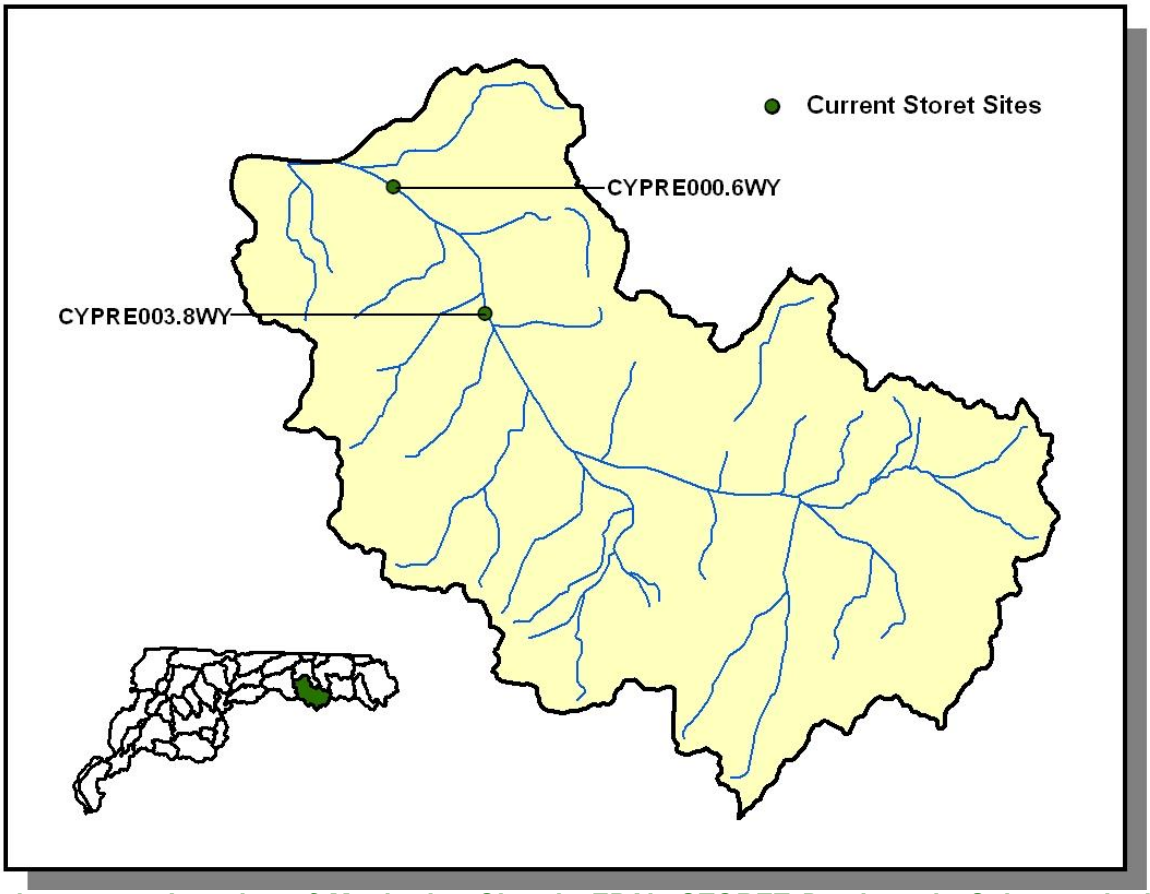

Figure 4-78. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020202. *More information, including site names and locations, is provided in Appendix IV.*

4.2.I.iii. Permitted Activities.

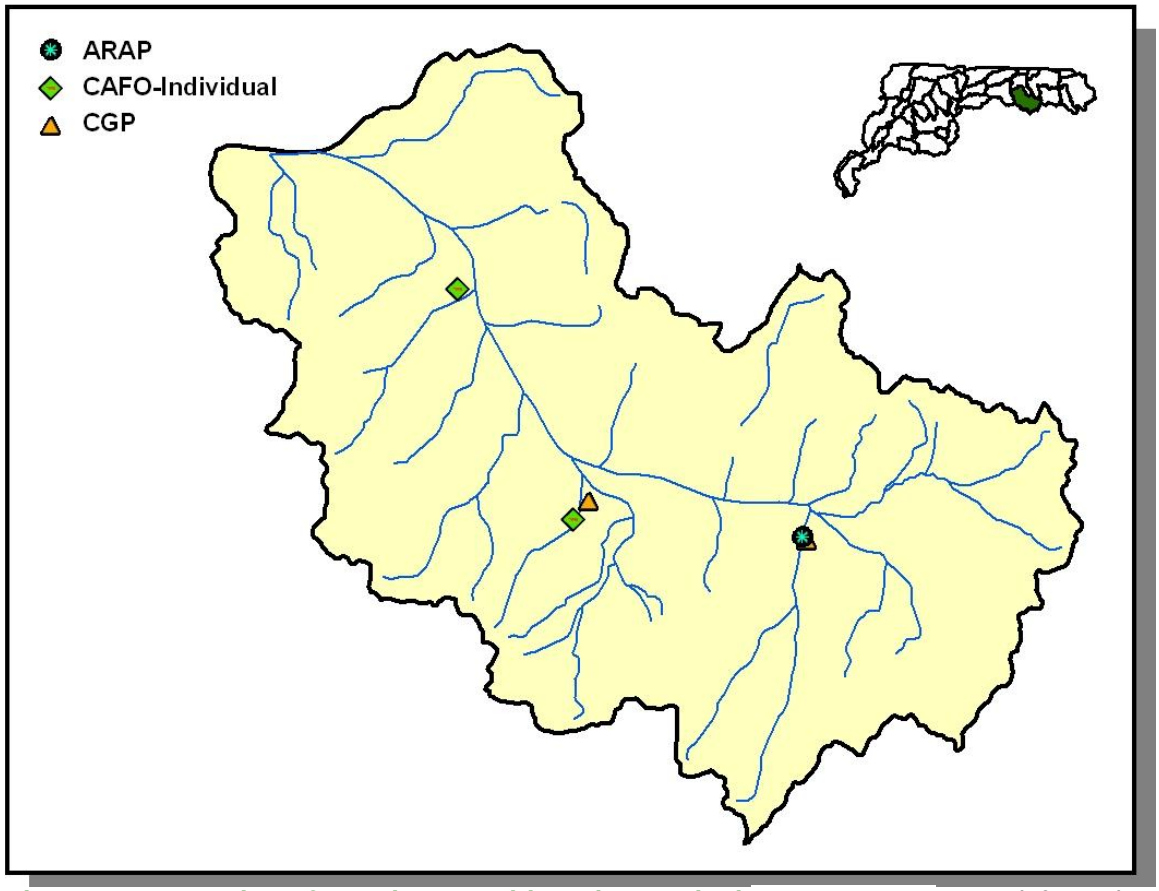

Figure 4-79. Location of Permits Issued in Subwatershed 080102020202. *More information, including the names of facilities, is provided in Appendix IV.*

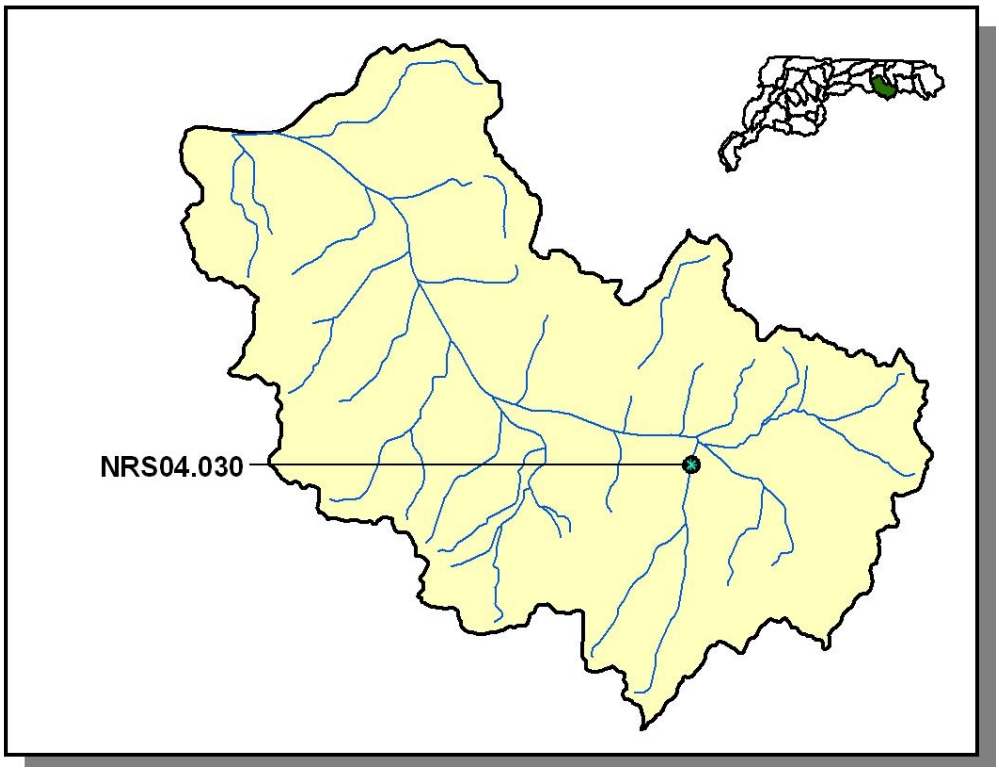

Figure 4-80. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020202. *More information is provided in Appendix IV.*

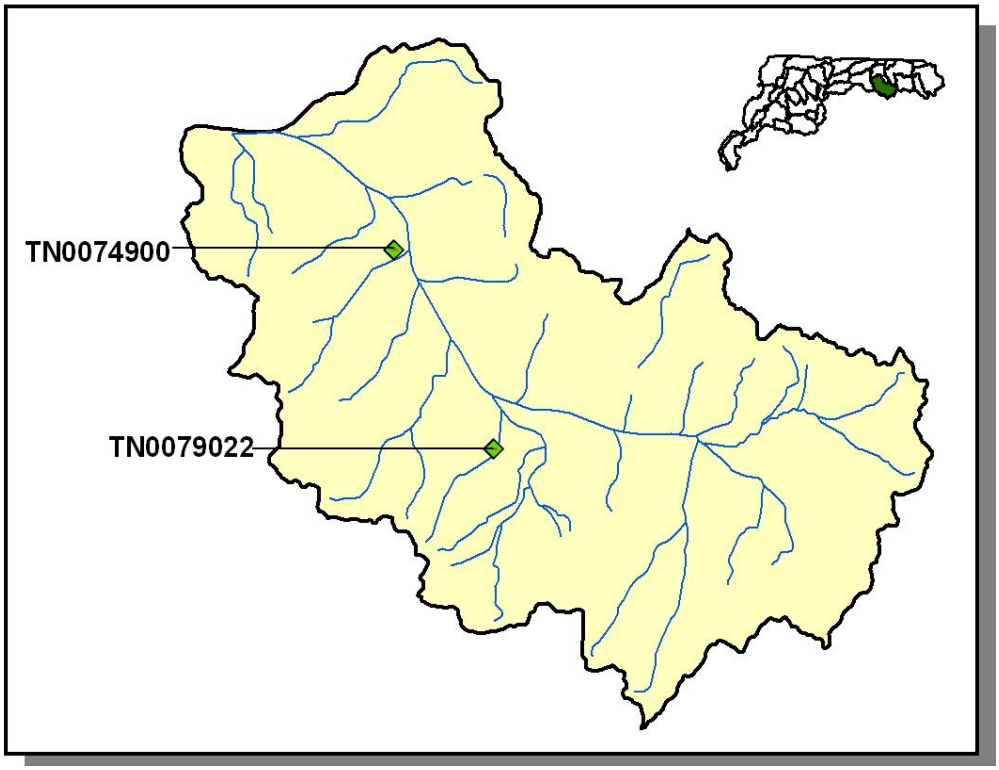

Figure 4-81. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020202. *More information, including the names of facilities, is provided in Appendix IV.*

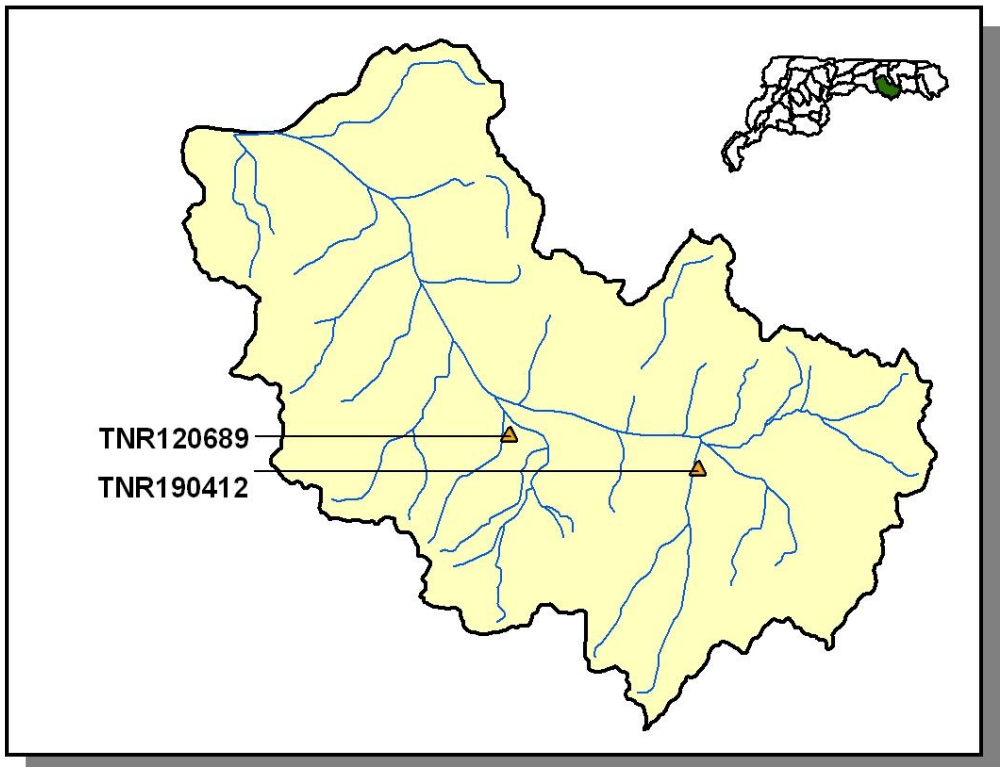

Figure 4-82. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020202. *More information is provided in Appendix IV.*

4.2.I.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-47. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Weakley	96.1	95.9	6.7	24.6

Table 4-48. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	10.01
Soybeans (Row Crops)	7.63
Corn (Row Crops)	7.56
Other Cropland not Planted	4.50
Legume (Pastureland)	1.47
Grass Forbs Legumes Mixed (Pastureland)	1.11
Legume (Hayland)	0.49
Farmsteads and Ranch Headquarters	0.44
Conservation Reserve Program Land	0.43
Grass (Hayland)	0.23
Grass (Pastureland)	0.13

Table 4-49. Annual Estimated Total Soil Loss in Subwatershed 080102020202.

4.2.J. 080102020203 (North Fork Obion River).

4.2.J.i. General Description.

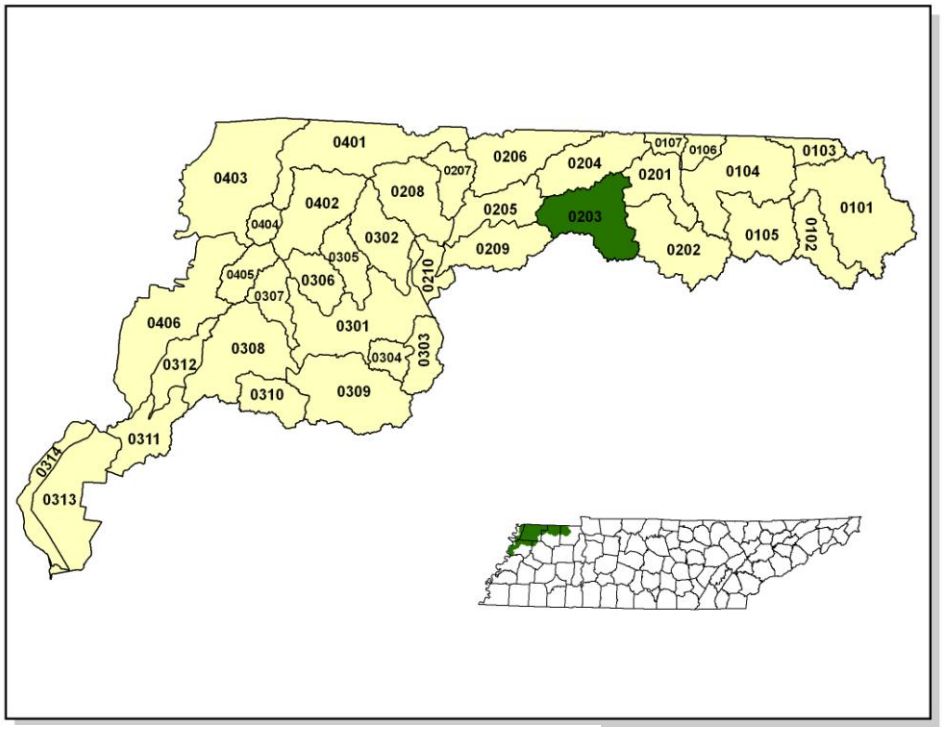

Figure 4-83. Location of Subwatershed 080102020203. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

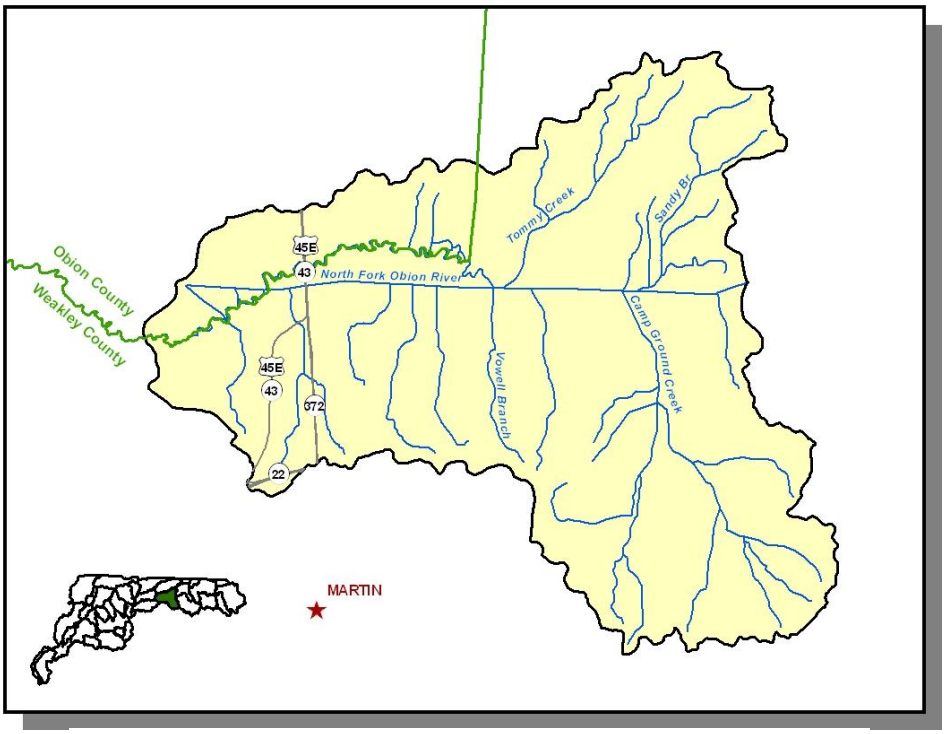

Figure 4-84. Locational Details of Subwatershed 080102020203.

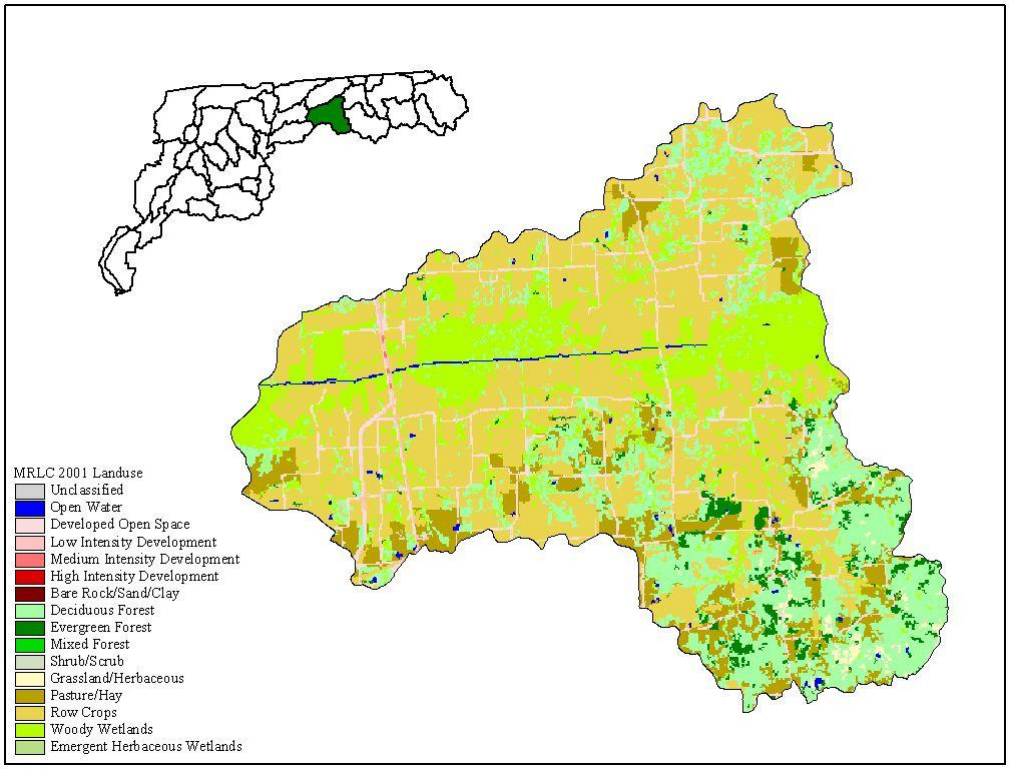

Figure 4-85. Illustration of Land Use Distribution in Subwatershed 080102020203.

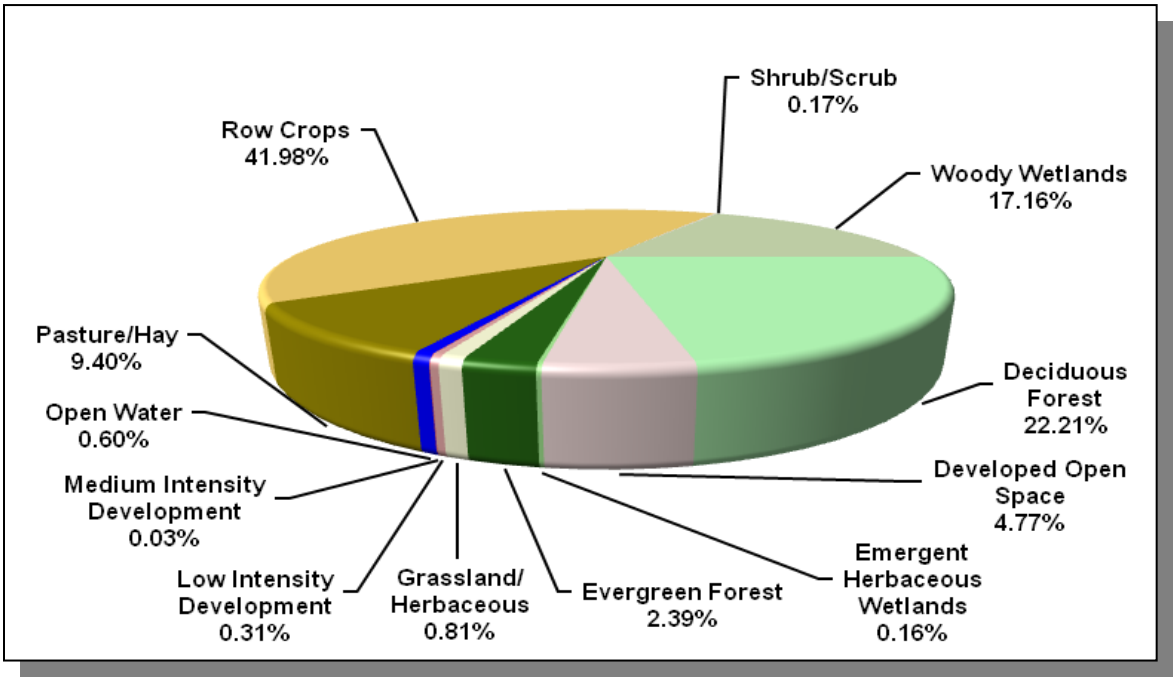

Figure 4-86. Land Use Distribution in Subwatershed 080102020203. *More information is provided in Appendix IV.*

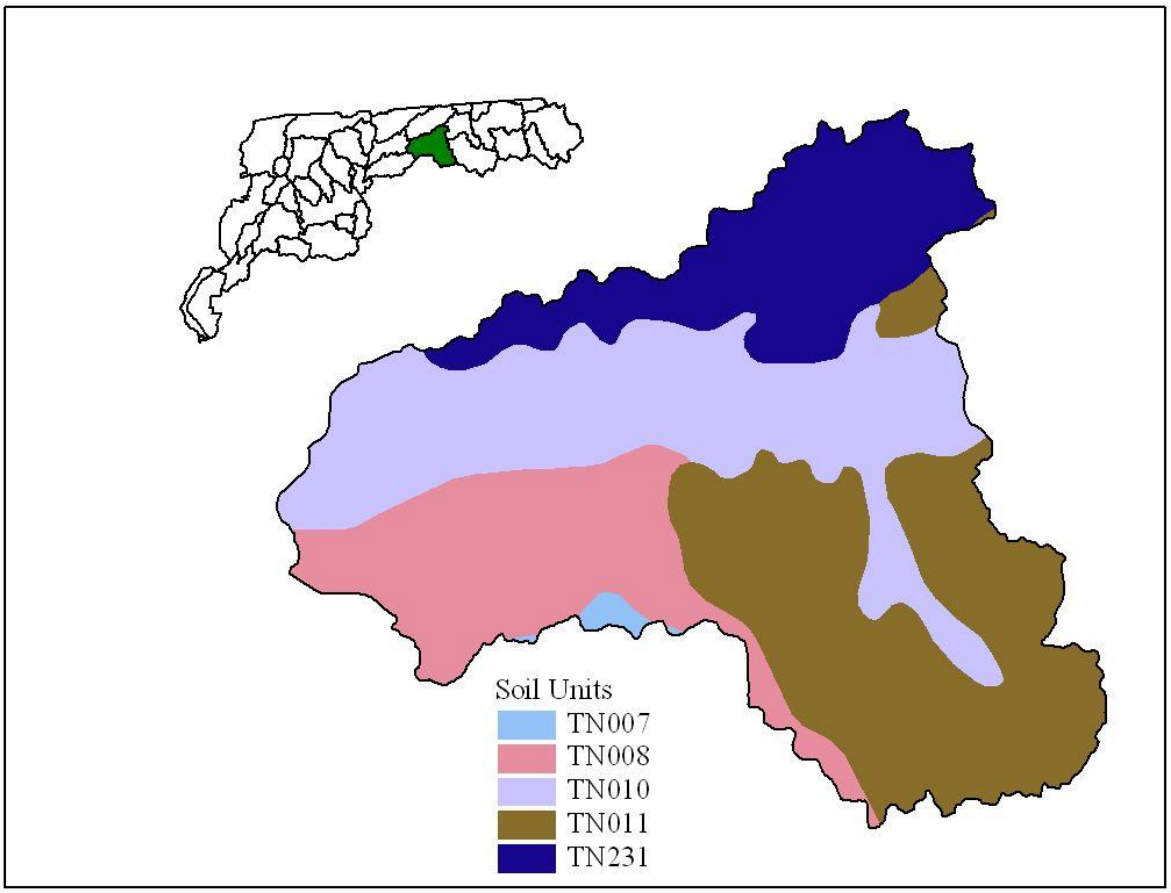

Figure 4-87. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020203.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-50. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020203. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	1.02	324	327	331	2.20
Weakley	31,972	32,808	34,895	5.88	1,880	1,929	2,051	9.10
Totals	**63,689**	**64,877**	**67,345**		**2,204**	**2,256**	**2,382**	**8.10**

Table 4-51. Population Estimates in Subwatershed 080102020203.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Martin	Weakley	8600	3104	3039	65	0

Table 4-52. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020203.

4.2.J.ii. USGS Gaging Stations and STORET Sites.

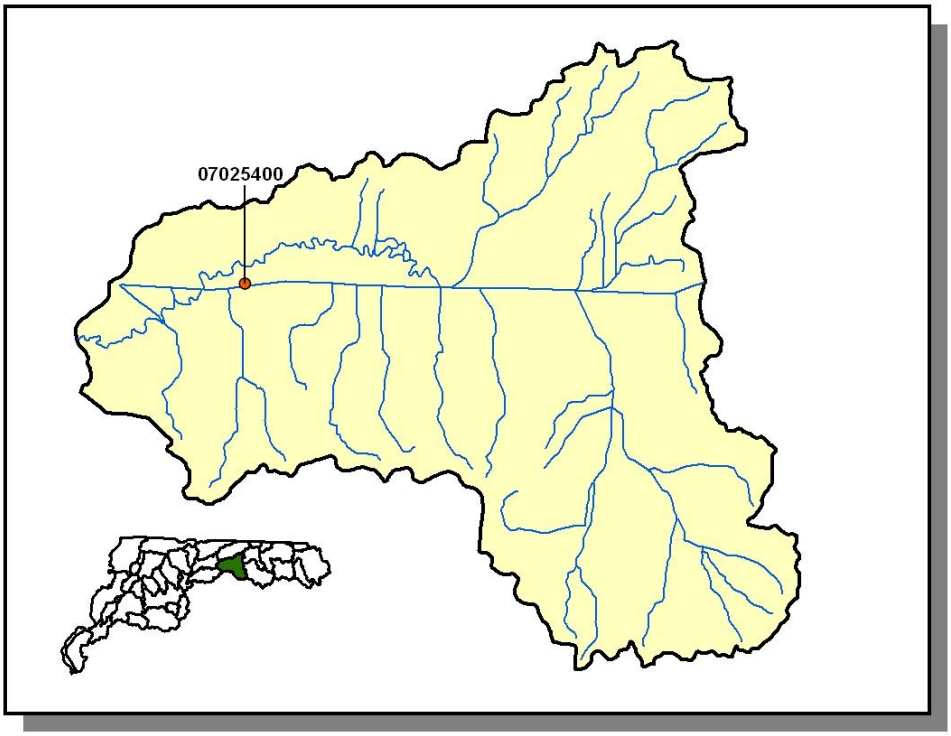

Figure 4-88. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020203. *More information is provided in Appendix IV.*

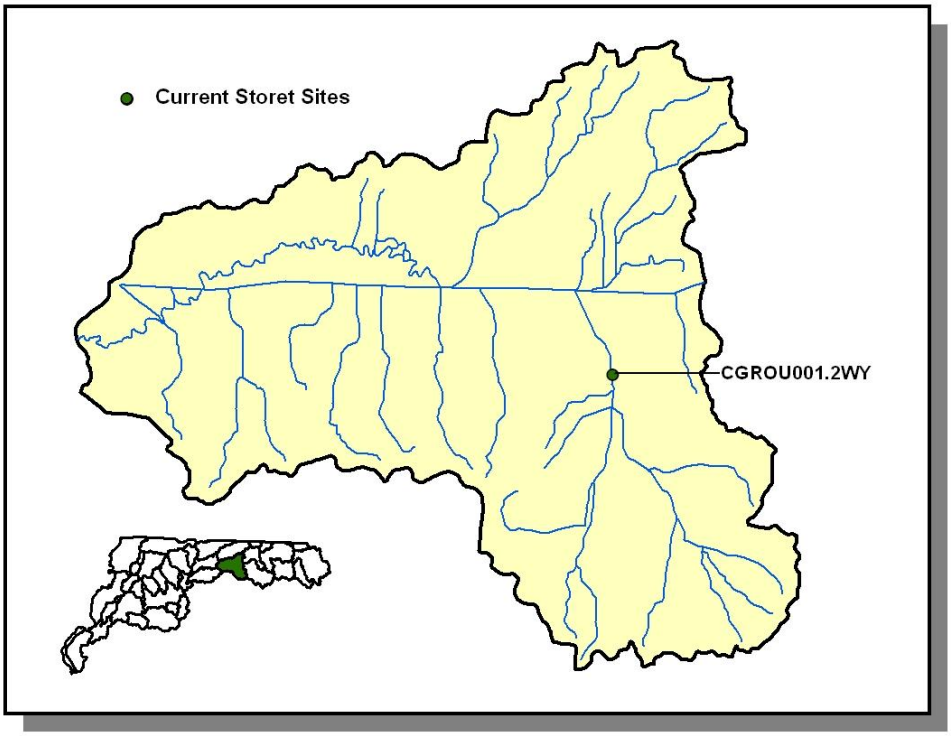

Figure 4-89. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020203. *More information, including site names and locations, is provided in Appendix IV.*

4.2.J.iii. Permitted Activities.

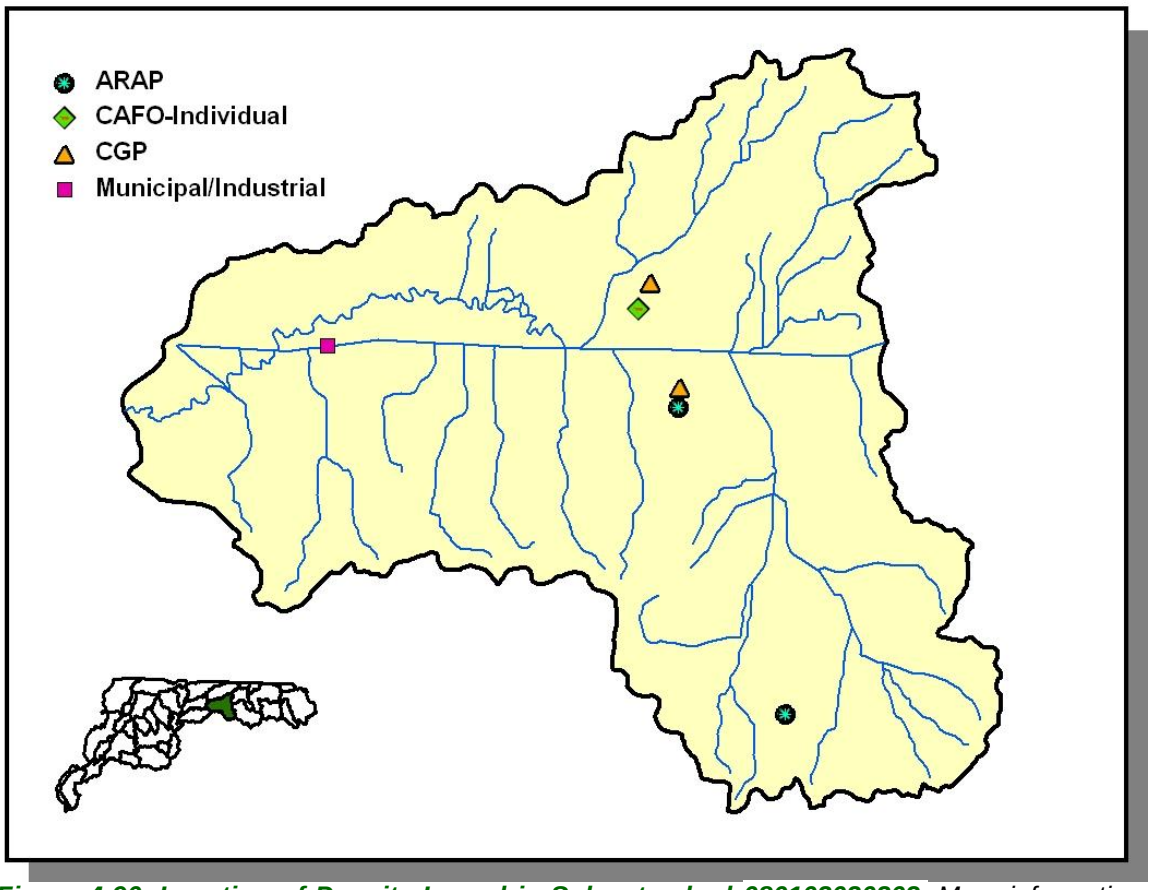

Figure 4-90. Location of Permits Issued in Subwatershed 080102020203. *More information, including the names of facilities, is provided in Appendix IV.*

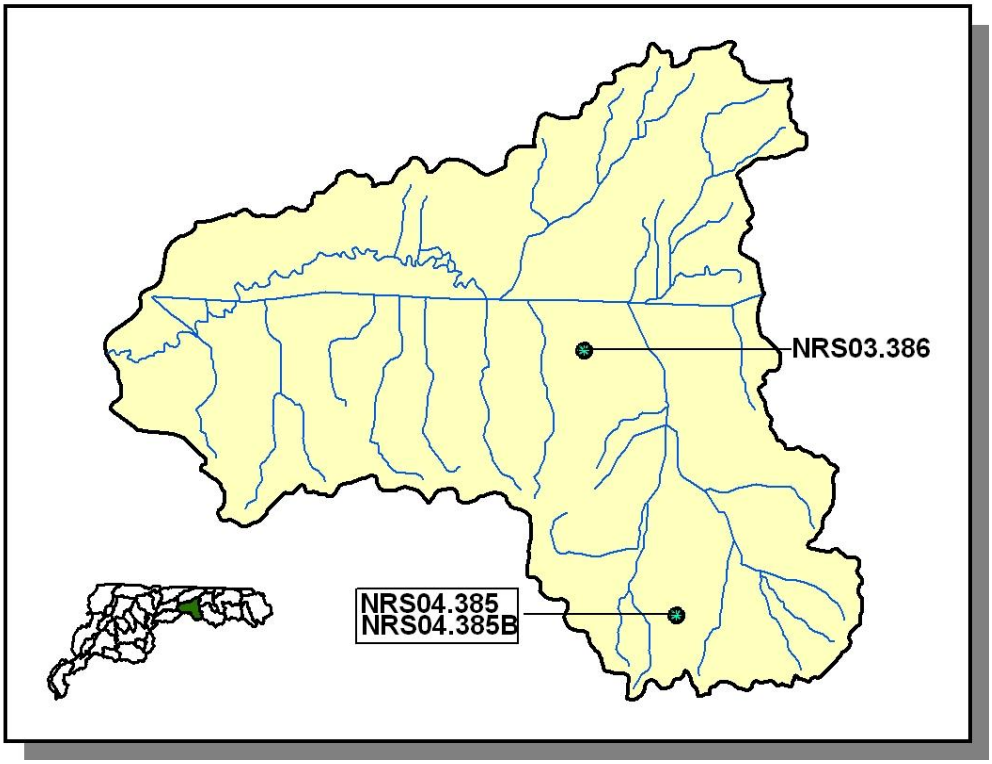

Figure 4-91. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020203. *More information is provided in Appendix IV.*

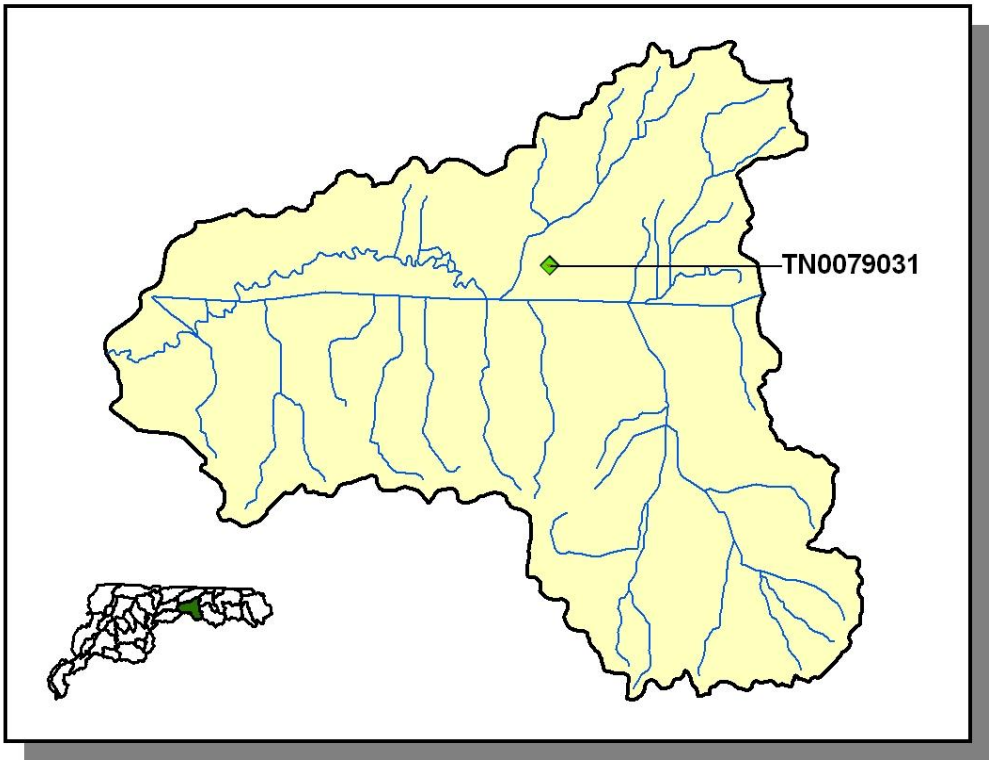

Figure 4-92. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020203. *More information, including the names of facilities, is provided in Appendix IV.*

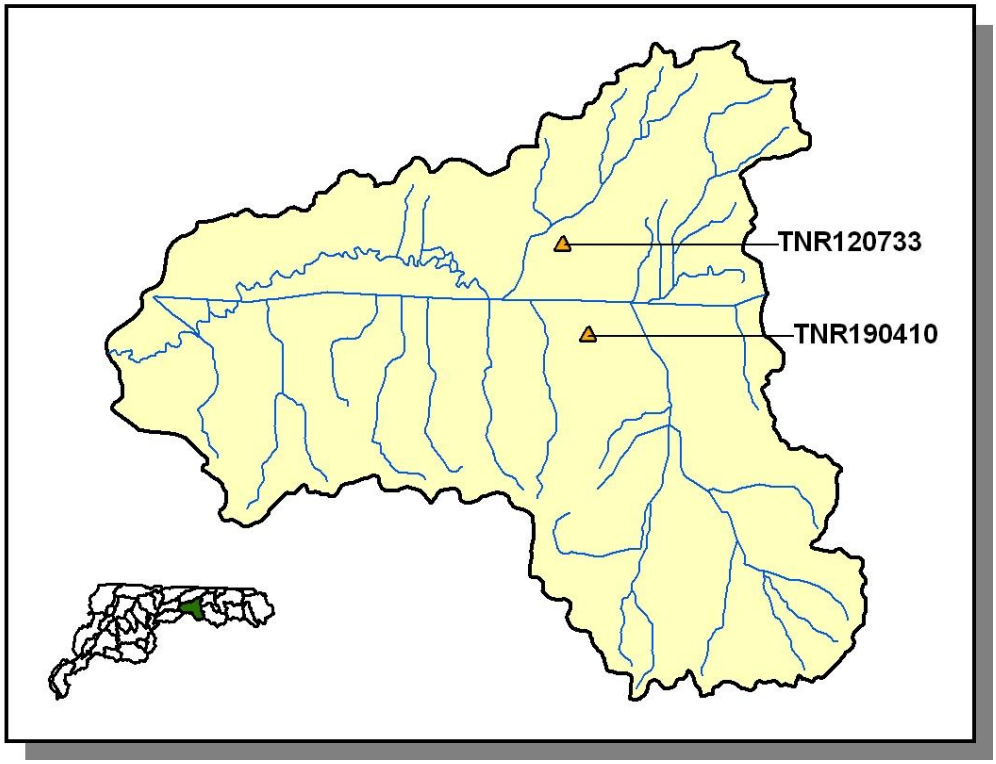

Figure 4-93. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020203. *More information is provided in Appendix IV.*

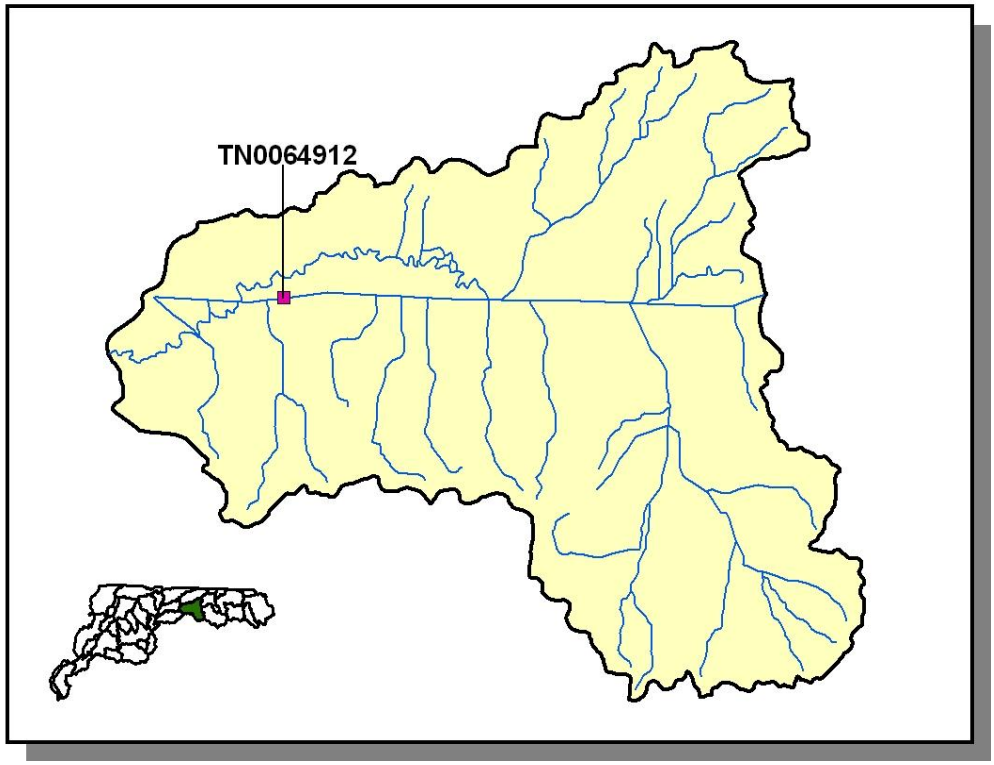

Figure 4-94. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020203. *More information, including the name of the facility is provided in Appendix IV.*

4.2.J.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-53. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8
Weakley	96.1	95.9	6.7	24.6

Table 4-54. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	9.98
Soybeans (Row Crops)	7.70
Corn (Row Crops)	7.10
Other Cropland not Planted	5.92
Cotton (Row Crops)	5.74
Sorghum (Row Crops)	2.76
Legume (Pastureland)	1.27
Grass Forbs Legumes Mixed (Pastureland)	1.07
Conservation Reserve Program Land	0.64
Legume (Hayland)	0.49
Farmsteads and Ranch Headquarters	0.40
Grass (Hayland)	0.27
Grass (Pastureland)	0.21

Table 4-55. Annual Estimated Total Soil Loss in Subwatershed 080102020203.

4.2.K. 080102020204 (Richland Creek).

4.2.K.i. General Description.

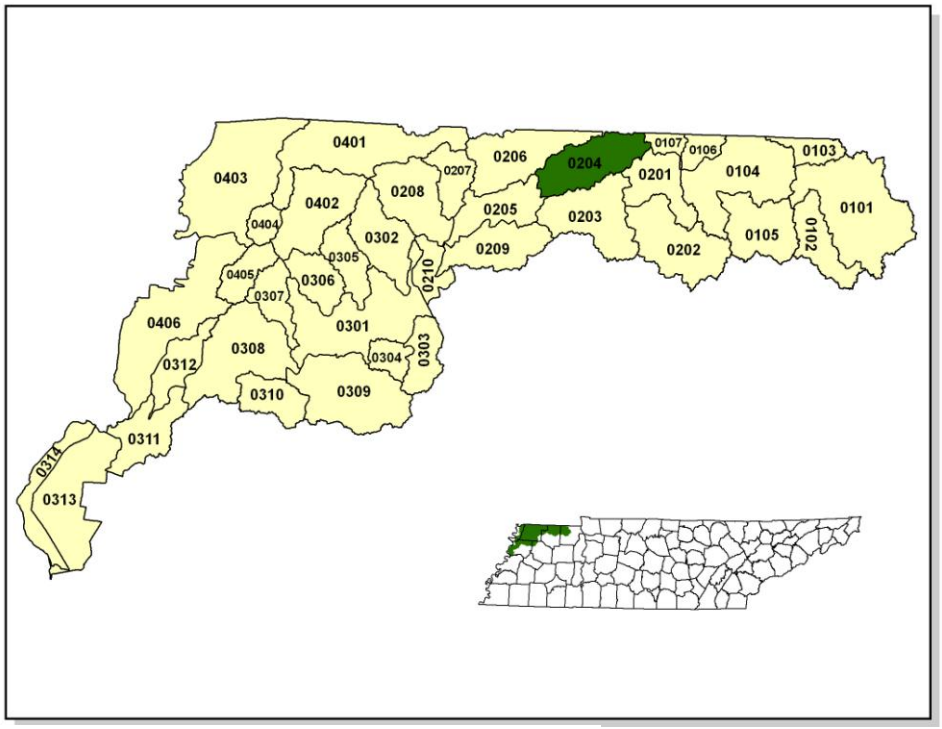

Figure 4-95. Location of Subwatershed 080102020204. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

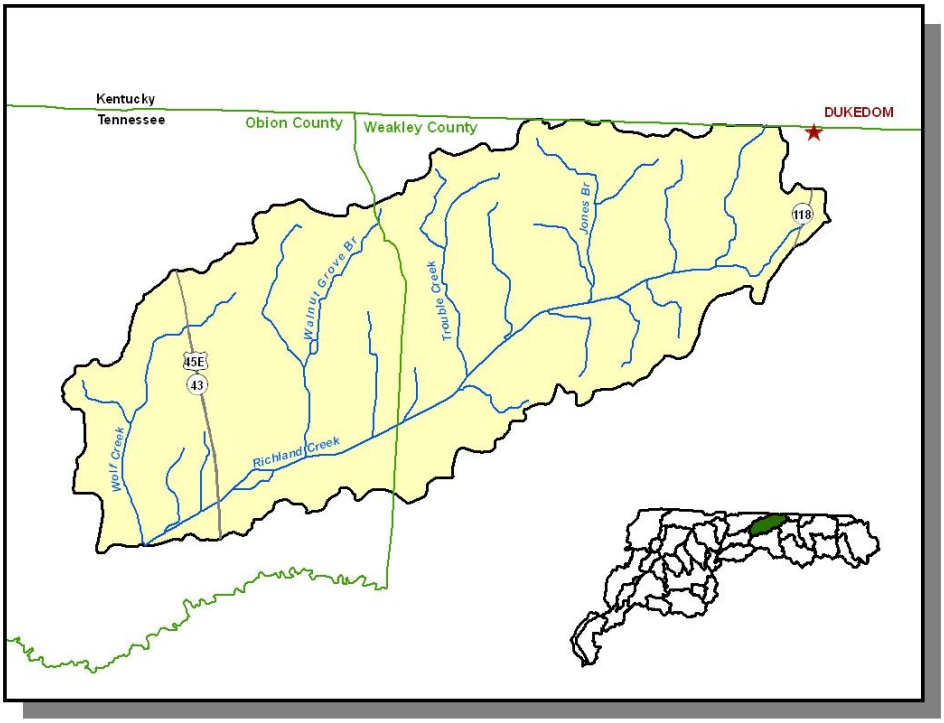

Figure 4-96. Locational Details of Subwatershed 080102020204.

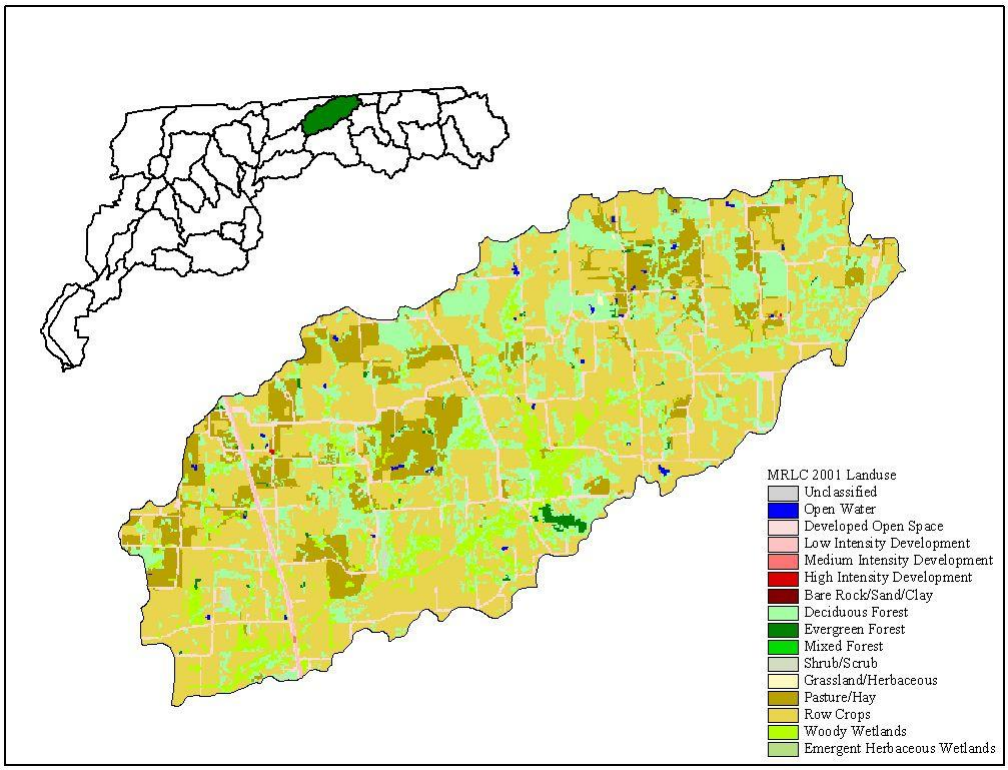

Figure 4-97. Illustration of Land Use Distribution in Subwatershed 080102020204.

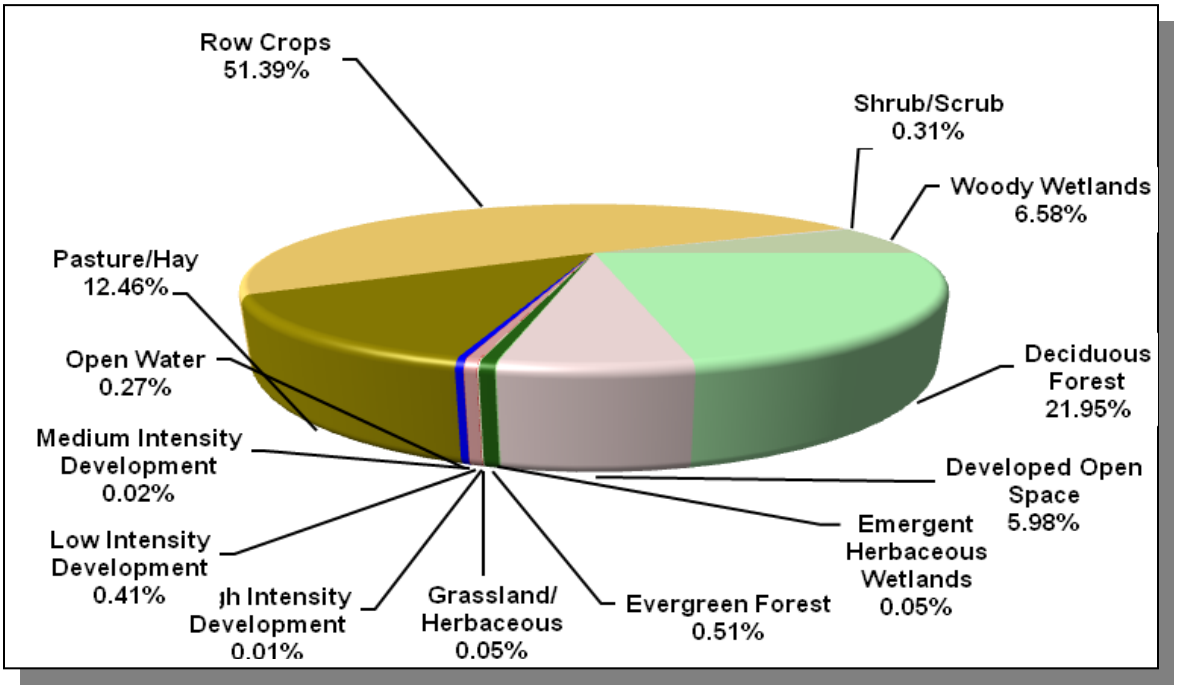

Figure 4-98. Land Use Distribution in Subwatershed 080102020204. *More information is provided in Appendix IV.*

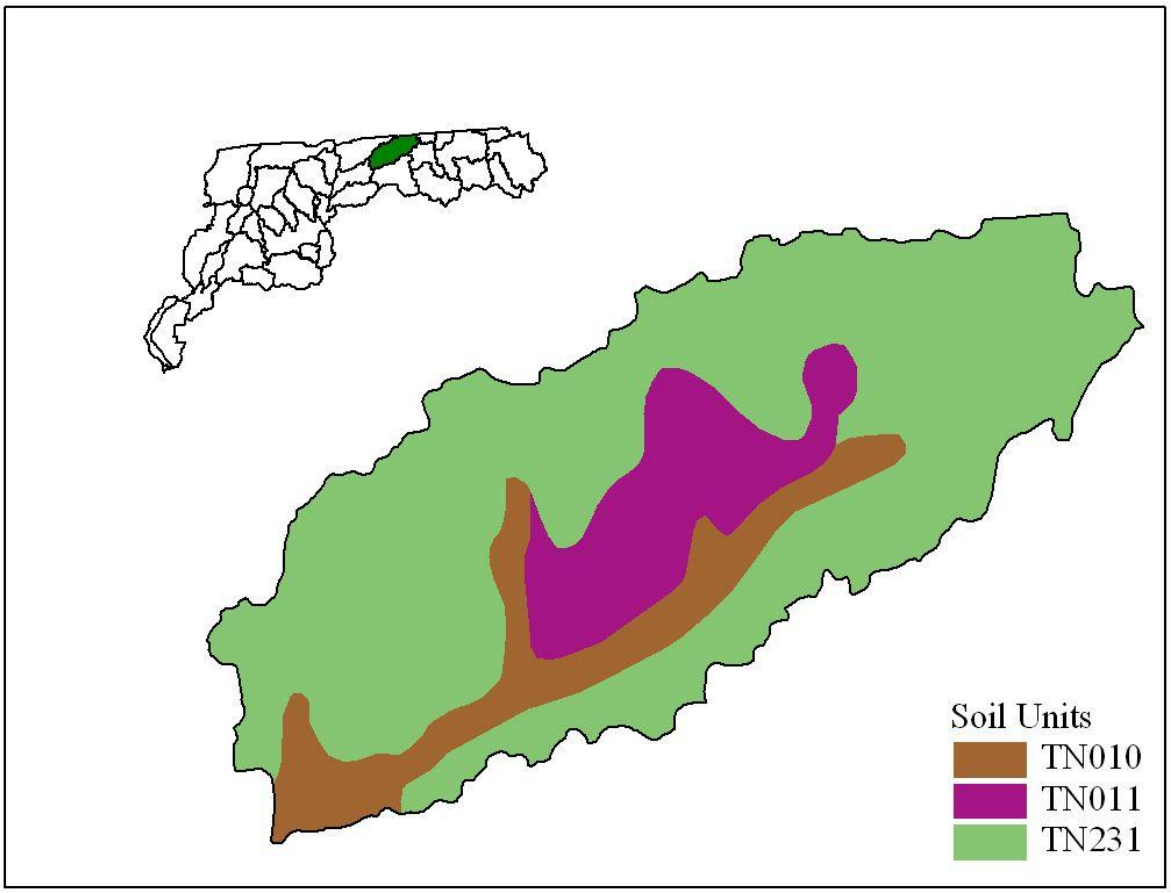

Figure 4-99. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020204.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN011	0.00	B	2.27	5.18	Silty Loam	0.40
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-56. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020204. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	2.81	890	900	911	2.40
Weakley	31,972	32,808	34,895	2.97	950	975	1,037	9.20
Totals	**63,689**	**64,877**	**67,345**		**1,840**	**1,875**	**1,948**	**5.90**

Table 4-57. Population Estimates in Subwatershed 080102020204.

4.2.K.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020204.

4.2.K.iii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020204 as of June 30th, 2007.

4.2.K.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-58. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8
Weakley	96.1	95.9	6.7	24.6

Table 4-59. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	9.90
Other Cropland not Planted	9.19
Soybeans (Row Crops)	7.84
Corn (Row Crops)	6.03
Cotton (Row Crops)	5.74
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.15
Grass Forbs Legumes Mixed (Pastureland)	0.99
Legume (Pastureland)	0.80
Legume (Hayland)	0.49
Grass (Pastureland)	0.40
Grass (Hayland)	0.35
Farmsteads and Ranch Headquarters	0.30

Table 4-60. Annual Estimated Total Soil Loss in Subwatershed 080102020204.

4.2.L. 080102020205 (North Fork Obion River).

4.2.L.i. General Description.

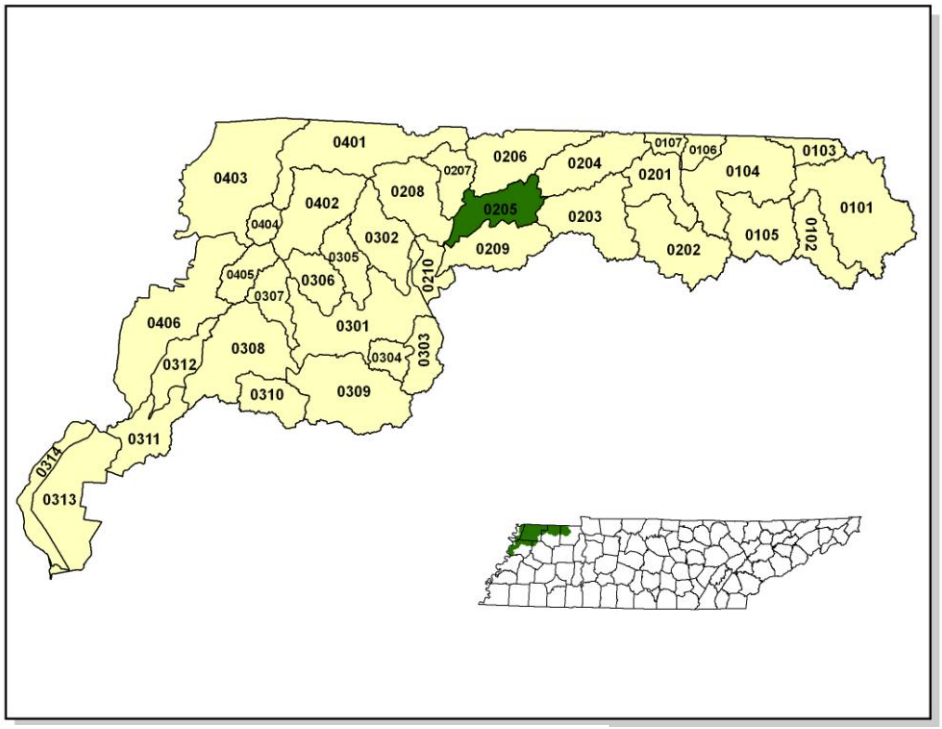

Figure 4-100. Location of Subwatershed 080102020205. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

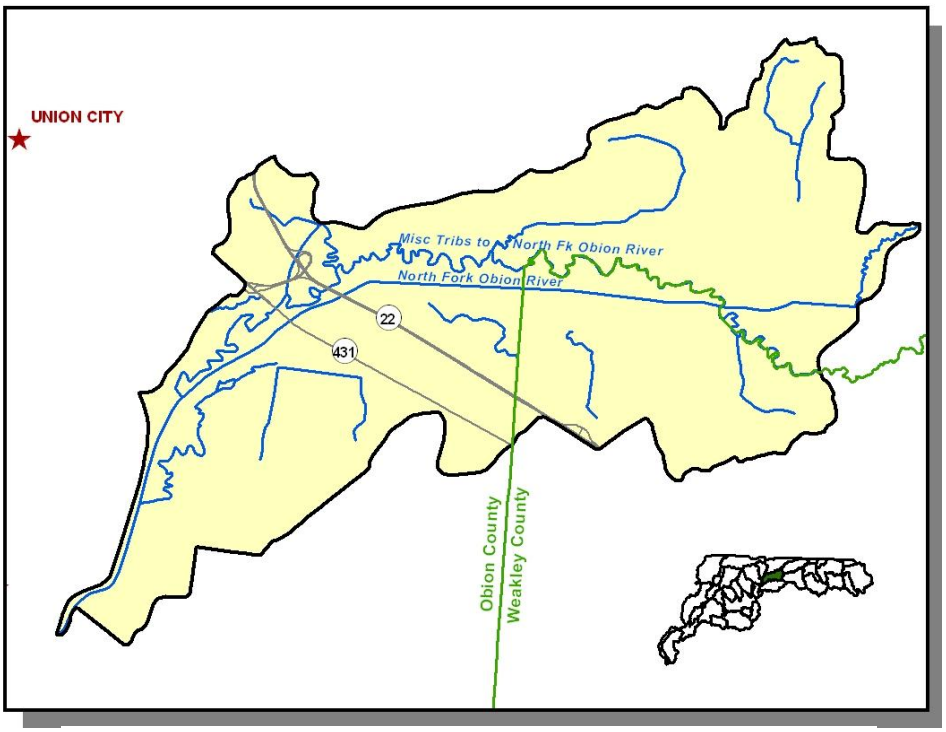

Figure 4-101. Locational Details of Subwatershed 080102020205.

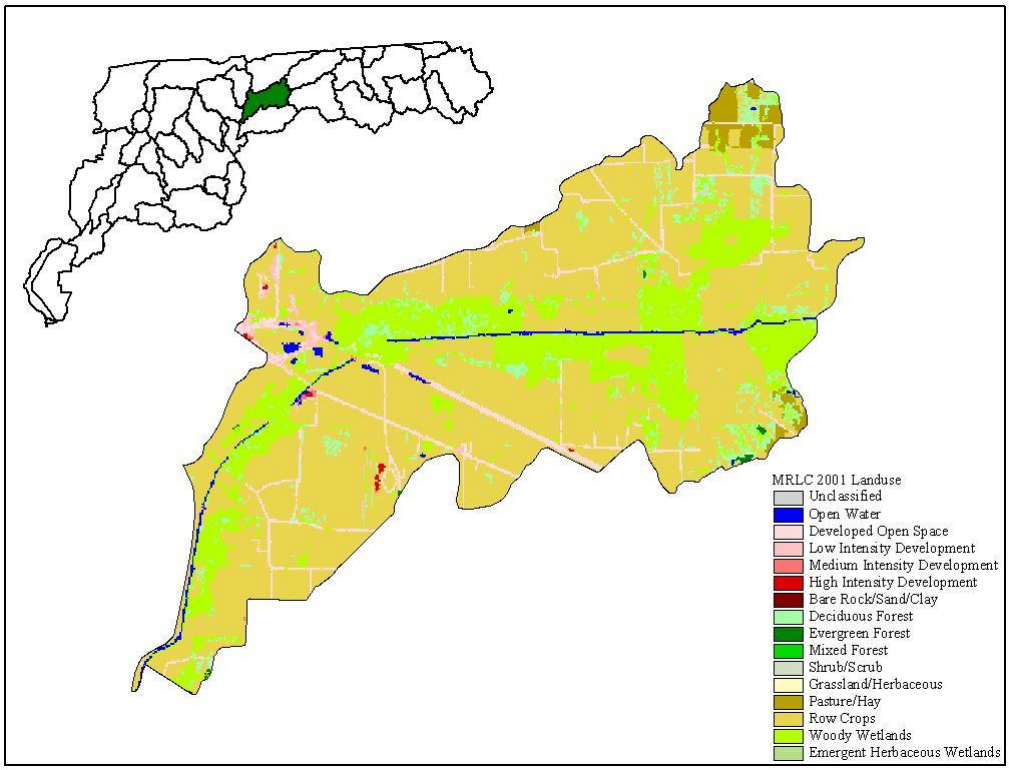

Figure 4-102. Illustration of Land Use Distribution in Subwatershed 080102020205.

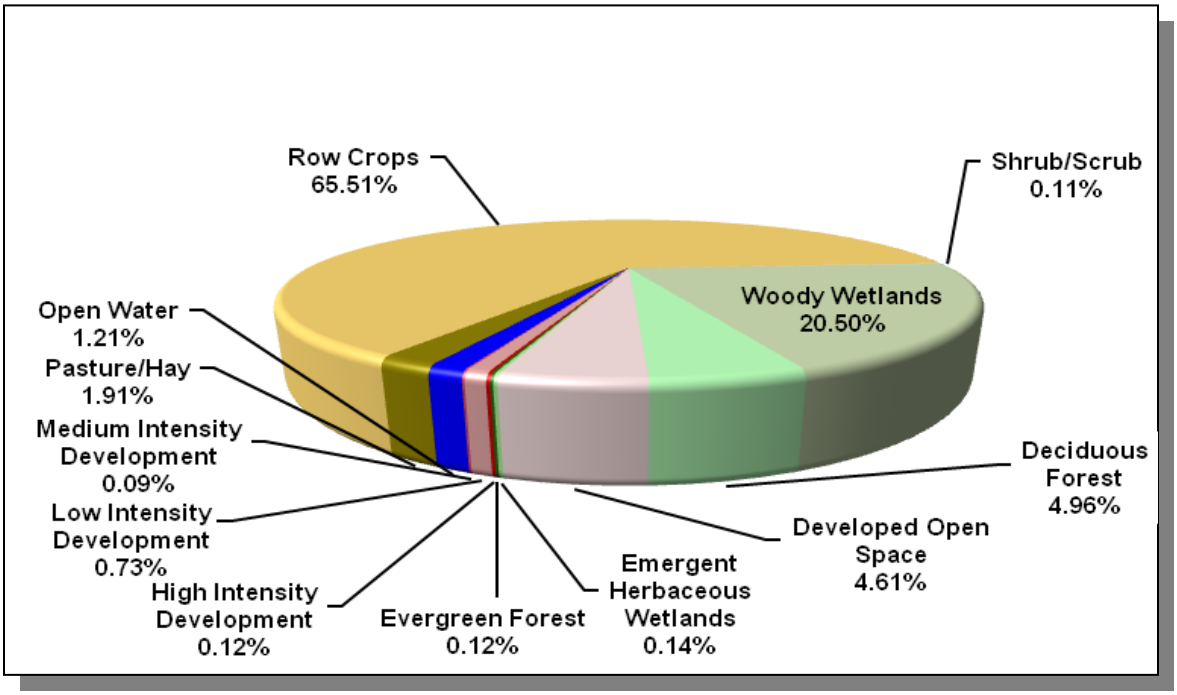

Figure 4-103. Land Use Distribution in Subwatershed 080102020205. *More information is provided in Appendix IV.*

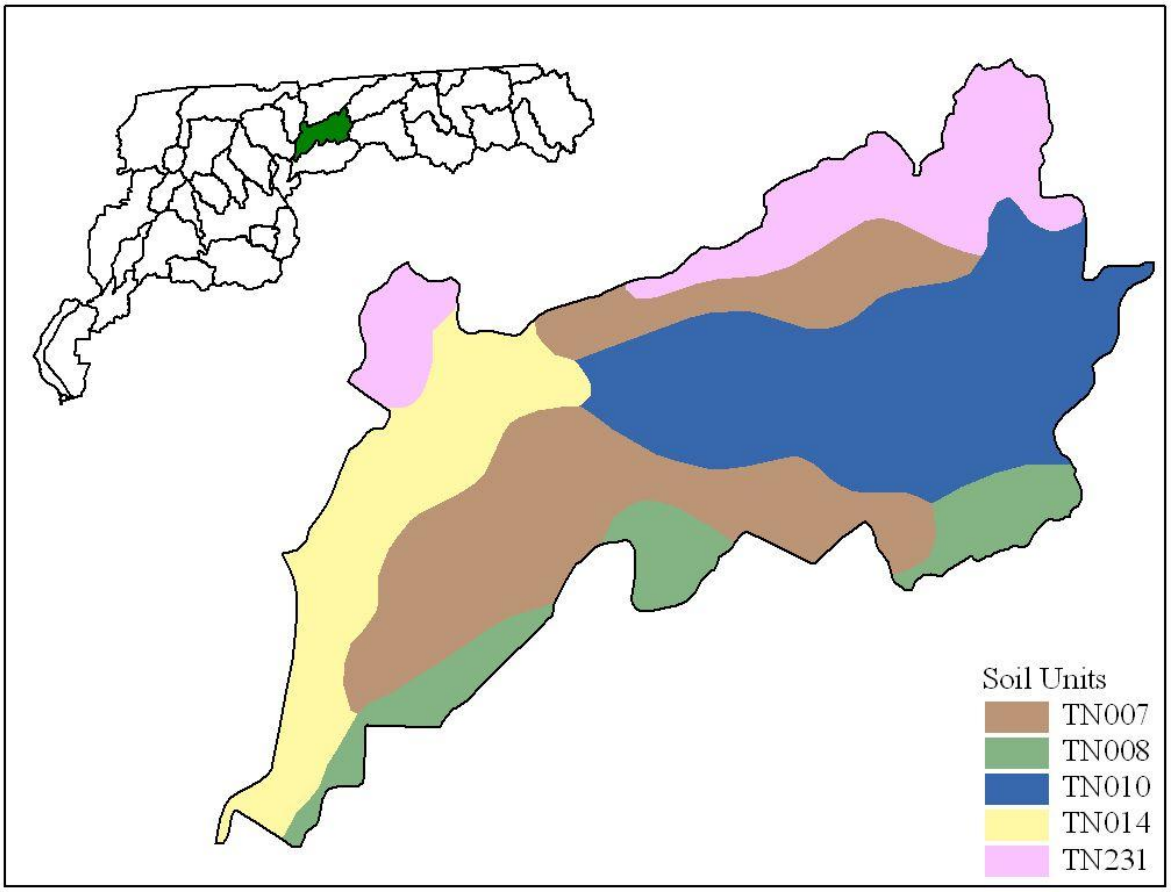

Figure 4-104. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020205.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-61. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020205. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	3.81	1,208	1,221	1,236	2.30
Weakley	31,972	32,808	34,895	0.71	226	232	247	9.30
Totals	**63,689**	**64,877**	**67,345**		**1,434**	**1,453**	**1,483**	**3.40**

Table 4-62. Population Estimates in Subwatershed 080102020205.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Union City	Obion	10,512	4,608	4,572	36	0

Table 4-63. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020205.

4.2.L.ii. USGS Gaging Stations and STORET Sites.

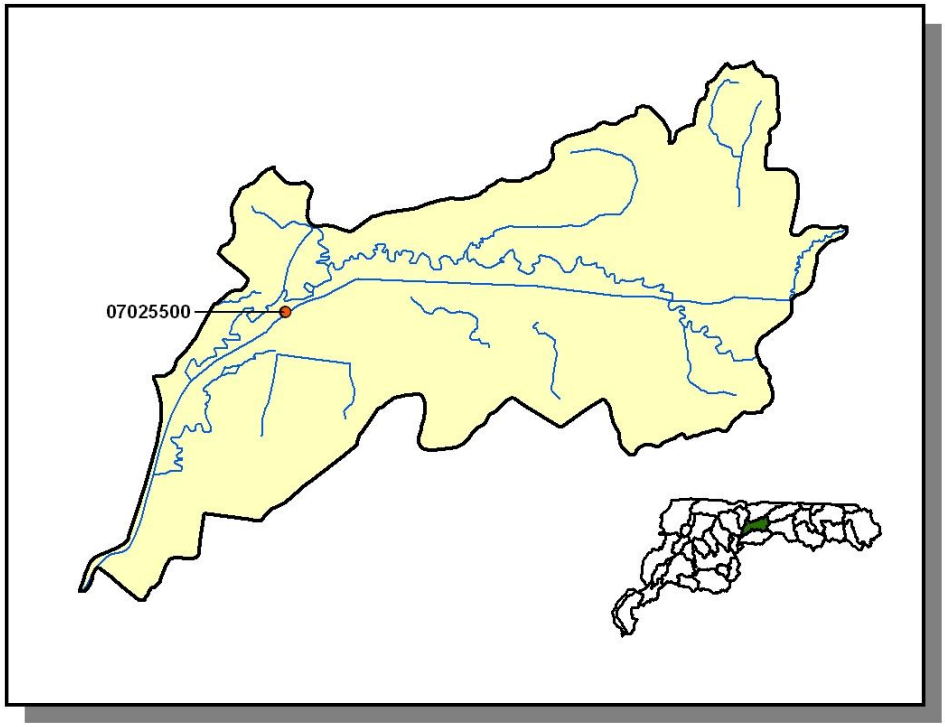

Figure 4-105. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020205. *More information is provided in Appendix IV.*

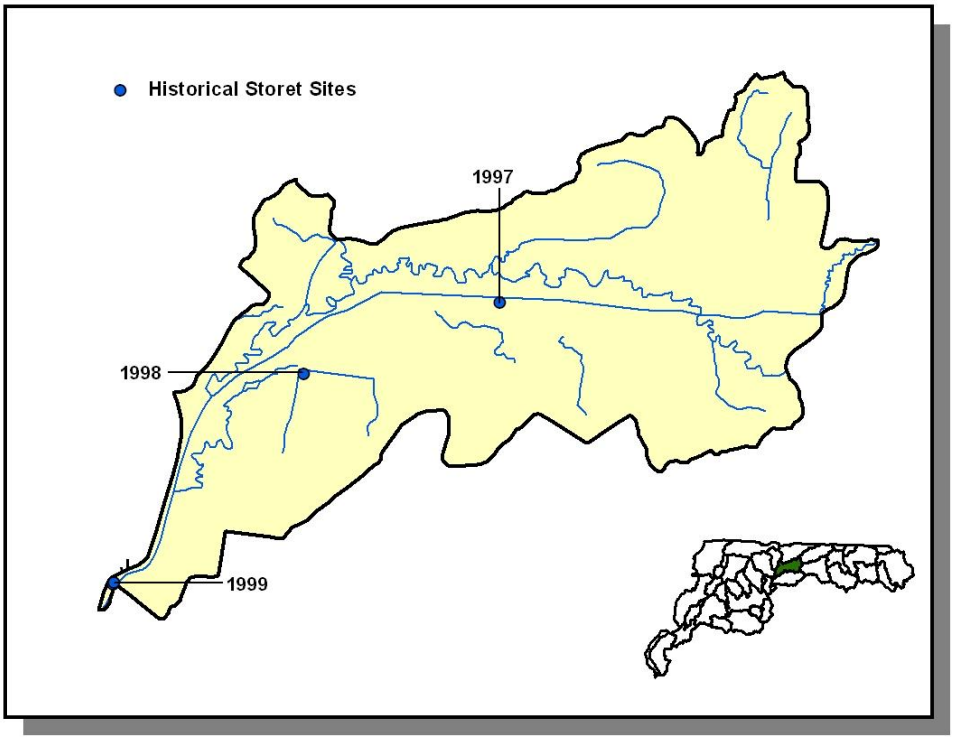

Figure 4-106. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020205. *More information, including site names and locations, is provided in Appendix IV.*

4.2.L.iii. Permitted Activities.

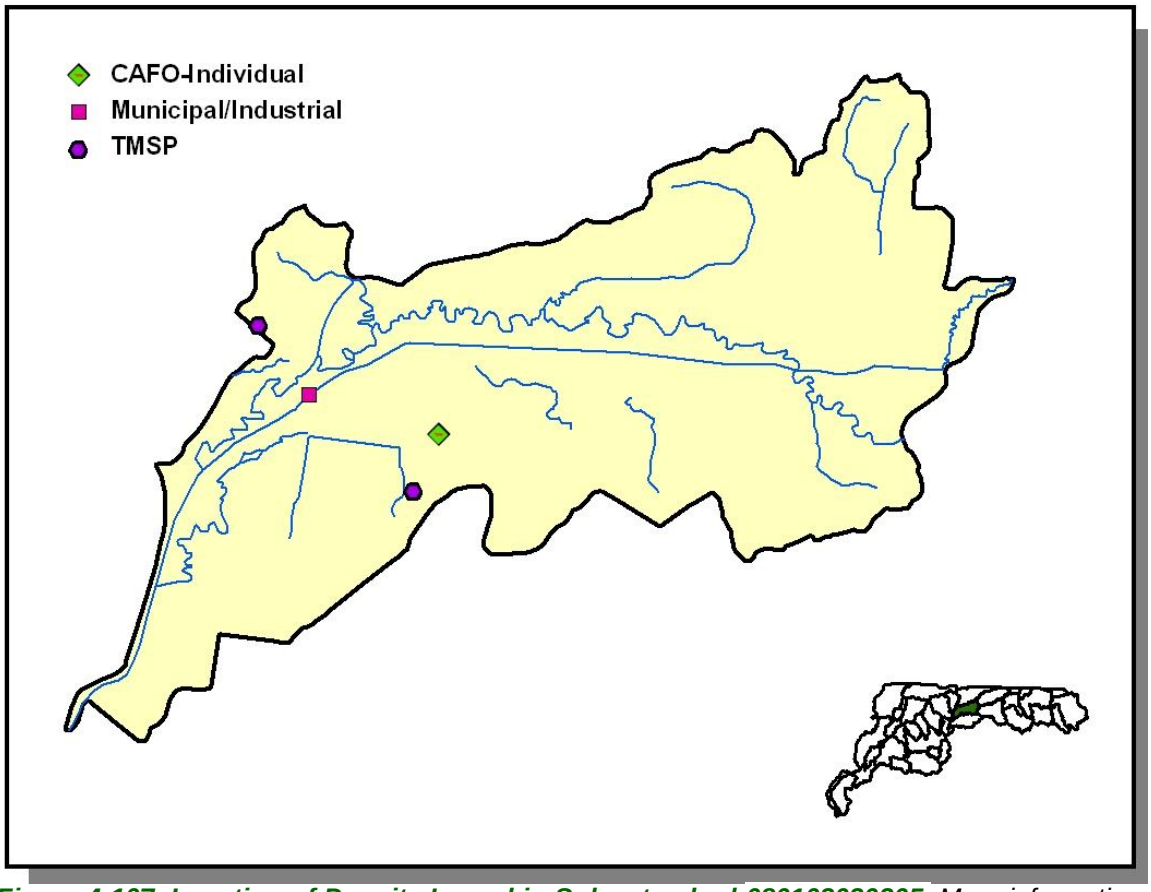

Figure 4-107. Location of Permits Issued in Subwatershed 080102020205. *More information, including the names of facilities, is provided in Appendix IV.*

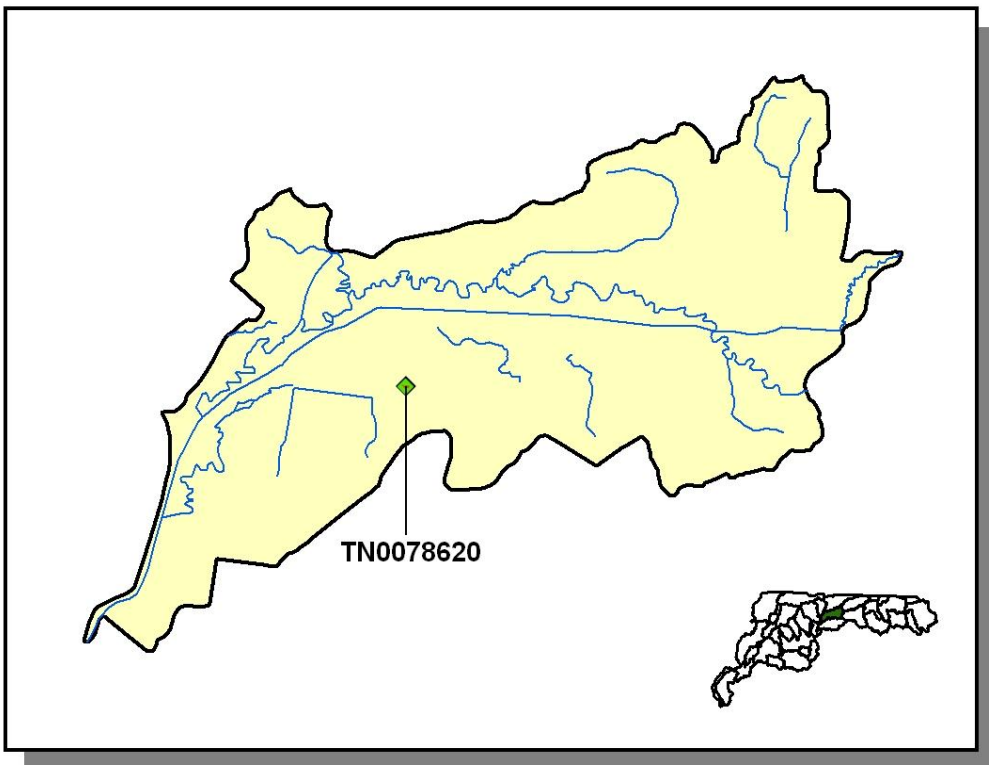

Figure 4-108. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020205. *More information, including the names of facilities, is provided in Appendix IV.*

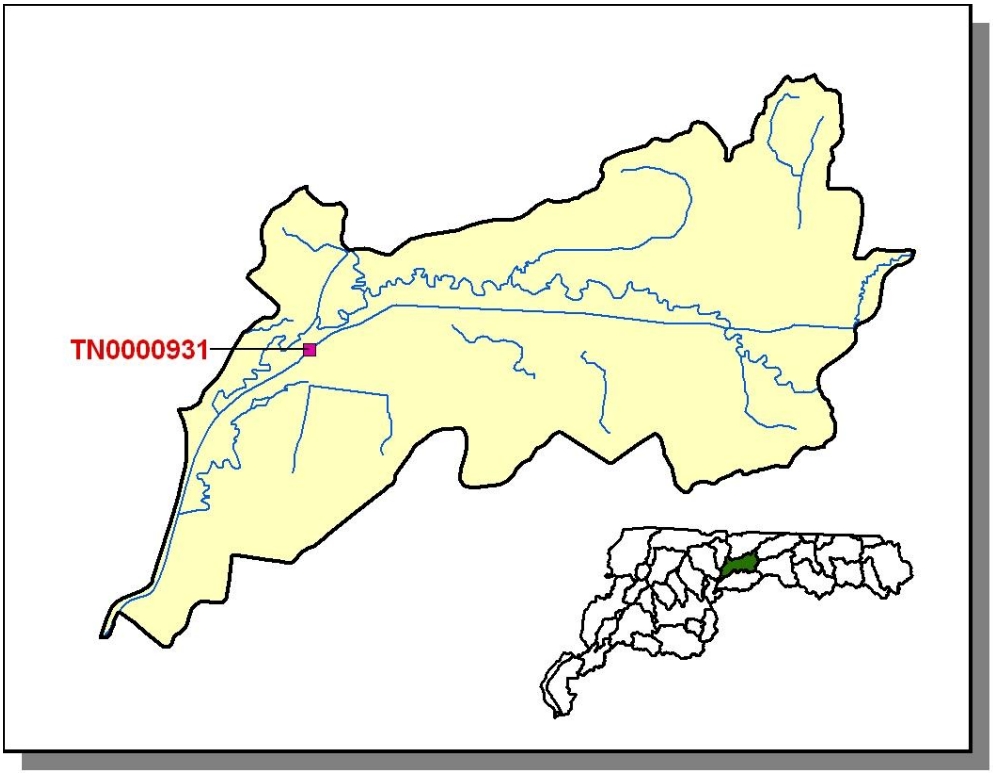

Figure 4-109. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020205. *Permit numbers in red indicate that the facility discharges to a stream listed on the 2006 303(d) list. More information, including the name of the facility is provided in Appendix IV.*

PERMIT #	1Q10	7Q10	30Q2	DISCHARGE FLOW
TN0000931	57.1	59.0	73.1	0.1555

Table 4-64. Receiving Stream Flow Information Used for Limit Calculations for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020205. *Data are in million gallons per day (MGD).Data were obtained from permit files.*

PERMIT #	AMMONIA AS N (TOTAL)	NITROGEN INORGANIC TOTAL	FLOW	BOD_5	OIL AND GREASE	TSS	pH
TN0000931	X	X	X	X	X	X	X

Table 4-65. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020205. *BOD_5, Biochemical Oxygen Demand (5-day); Total Suspended Solids.*

PERMIT #	E. *coli*	FECAL COLIFORM
TN0000931	X	X

Table 4-66. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020205.

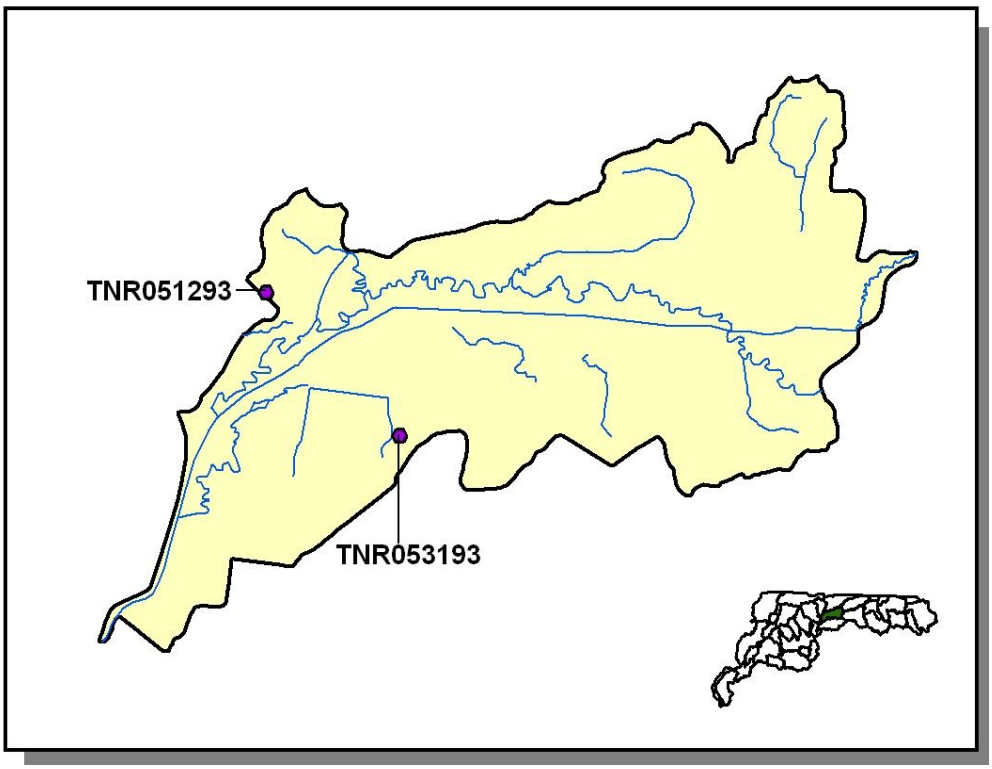

Figure 4-110. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020205. *More information is provided in Appendix IV.*

4.2.L.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-67. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8
Weakley	96.1	95.9	6.7	24.6

Table 4-68. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Other Cropland not Planted	12.69
Wheat (Close Grown Cropland)	9.82
Soybeans (Row Crops)	7.99
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.88
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.68
Grass Forbs Legumes Mixed (Pastureland)	0.90
Grass (Pastureland)	0.59
Legume (Hayland)	0.49
Grass (Hayland)	0.44
Legume (Pastureland)	0.29
Farmsteads and Ranch Headquarters	0.21

Table 4-69. Annual Estimated Total Soil Loss in Subwatershed 080102020205.

4.2.M. 080102020206 (Harris Fork Creek).

4.2.M.i. General Description.

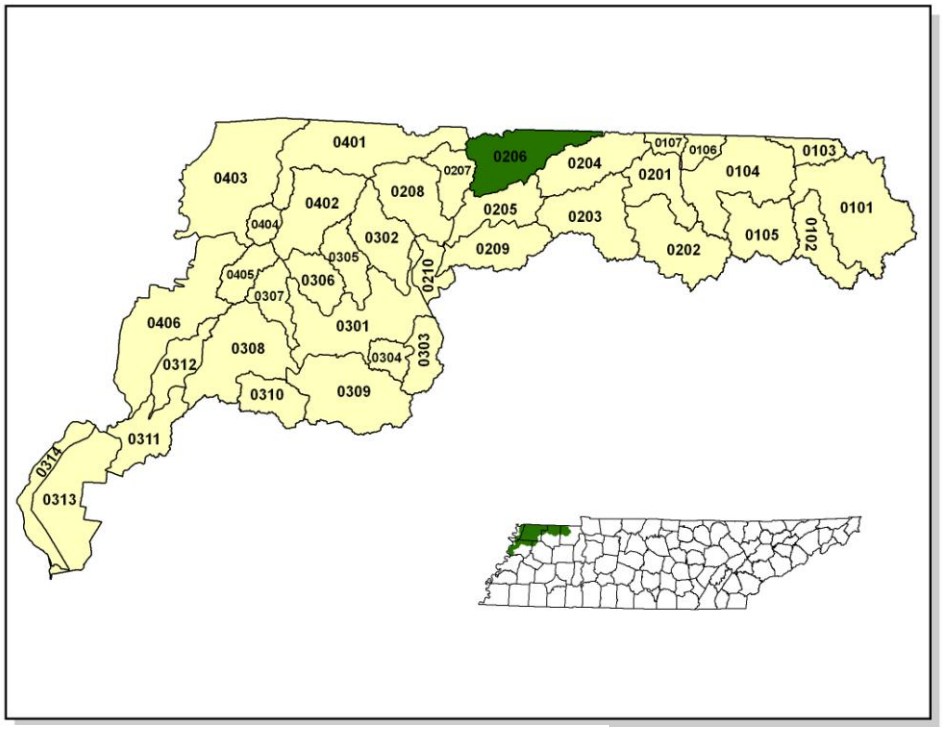

Figure 4-111. Location of Subwatershed 080102020206. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

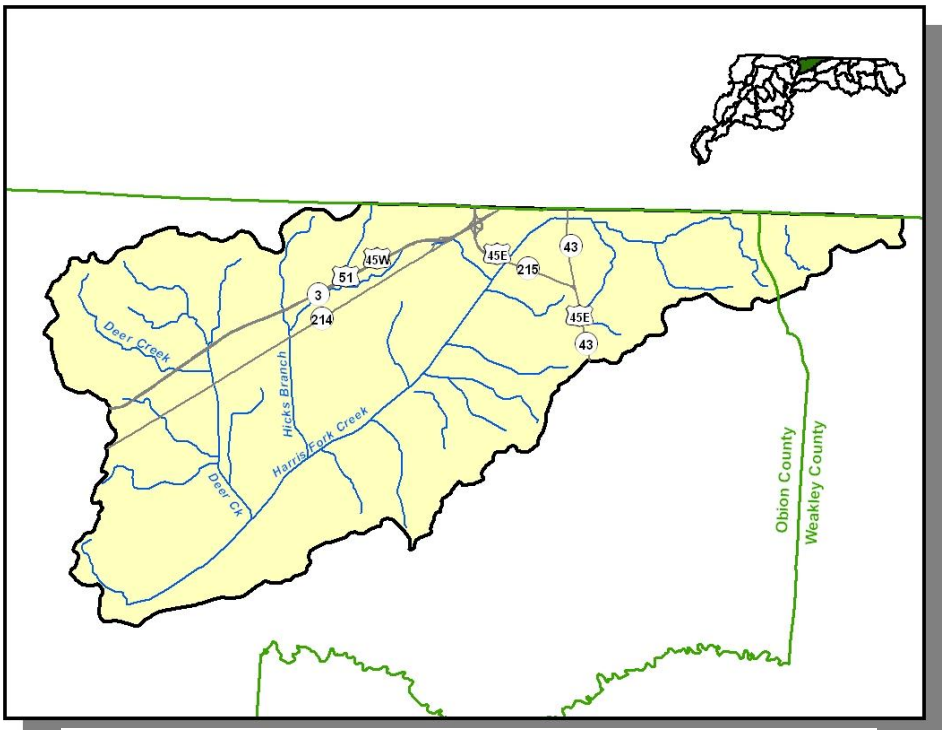

Figure 4-112. Locational Details of Subwatershed 080102020206.

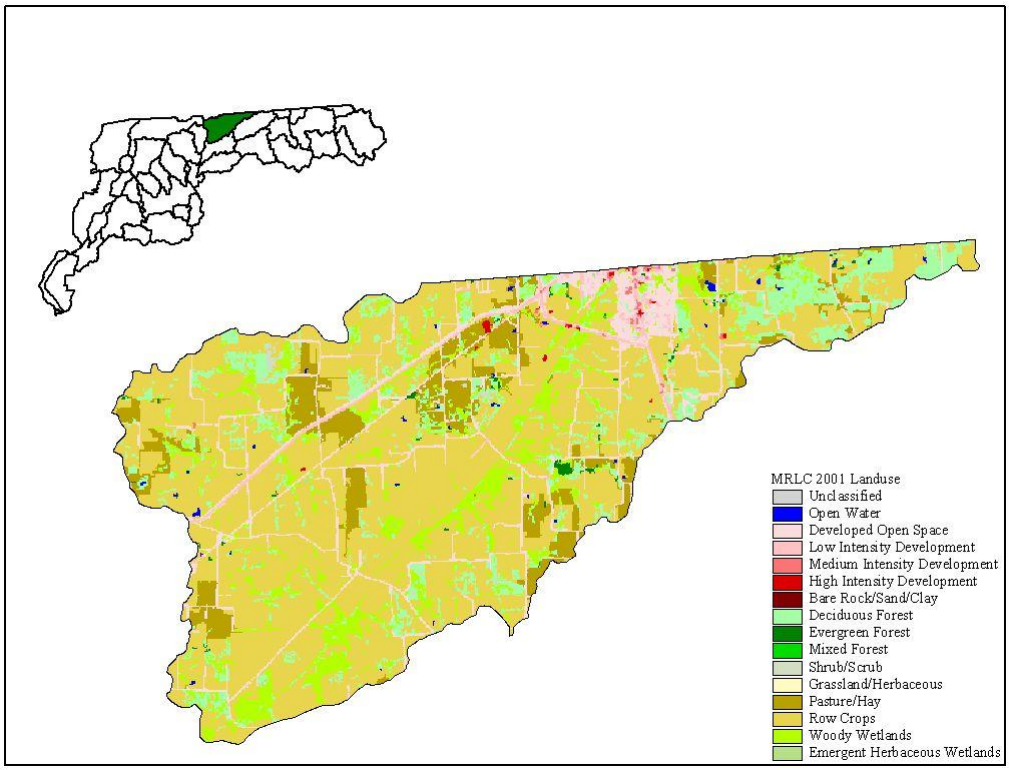

Figure 4-113. Illustration of Land Use Distribution in Subwatershed 080102020206.

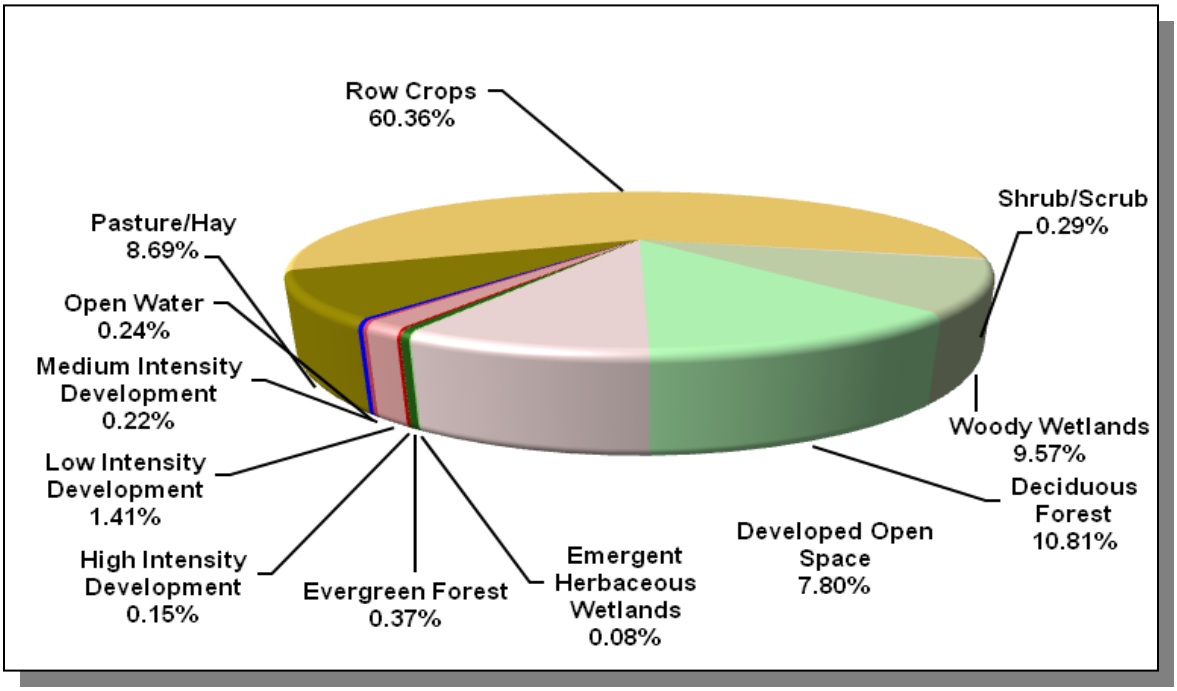

Figure 4-114. Land Use Distribution in Subwatershed 080102020206. *More information is provided in Appendix IV.*

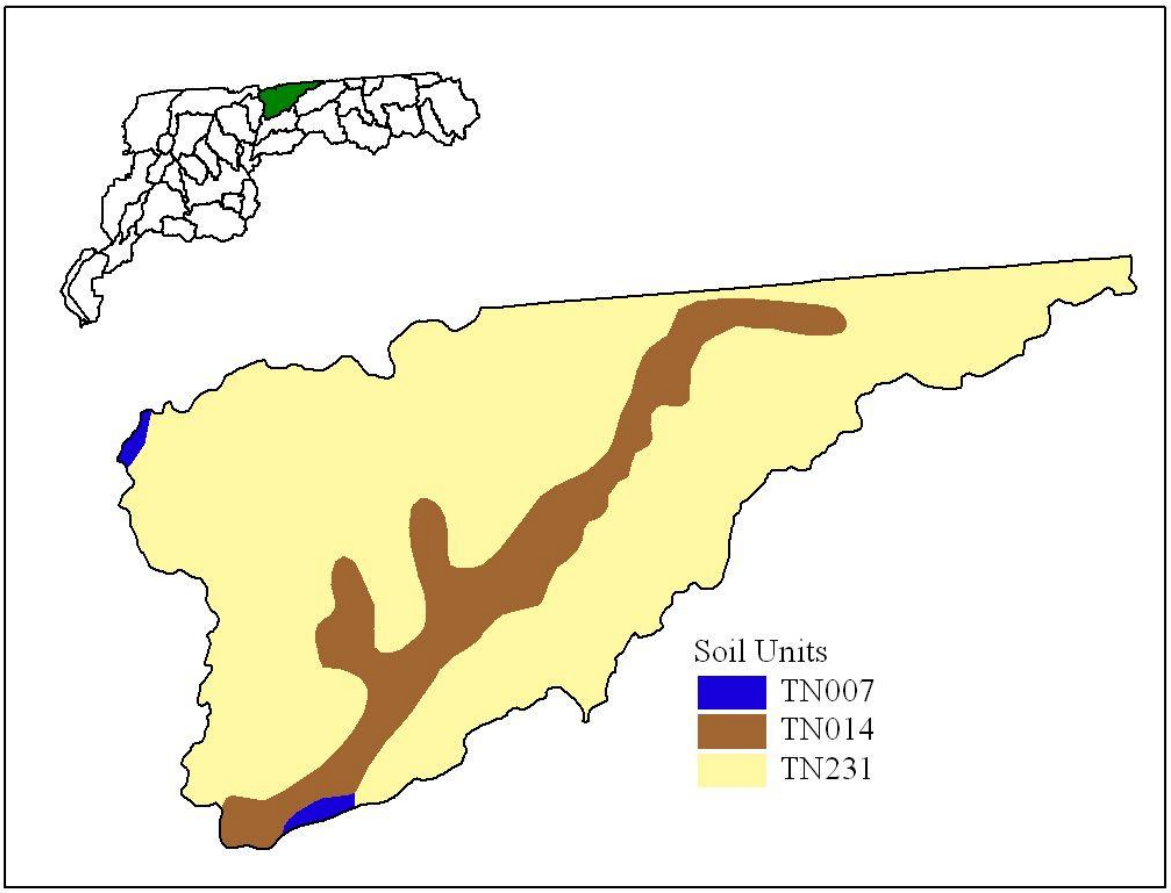

Figure 4-115. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020206.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-70. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020206. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	6.37	2,020	2,042	2,067	2.30
Weakley	31,972	32,808	34,895	0.21	68	70	74	8.80
Totals	**63,689**	**64,877**	**67,345**		**2,088**	**2,112**	**2,141**	**2.50**

Table 4-71. Population Estimates in Subwatershed 080102020206.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
South Fulton	Obion	2,688	1,182	1,133	49	0

Table 4-72. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020206.

4.2.M.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020206.

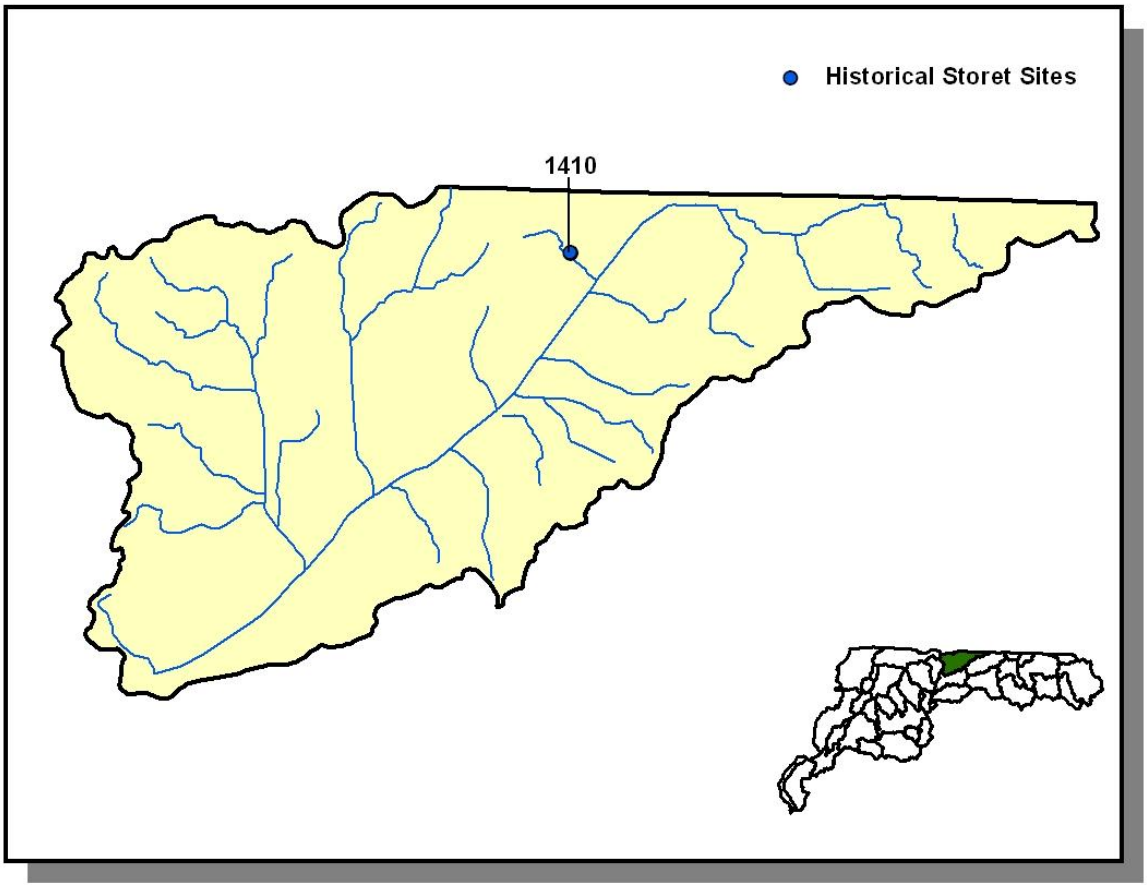

Figure 4-116. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020206. *More information, including site names and locations, is provided in Appendix IV.*

4.2.M.iii. Permitted Activities.

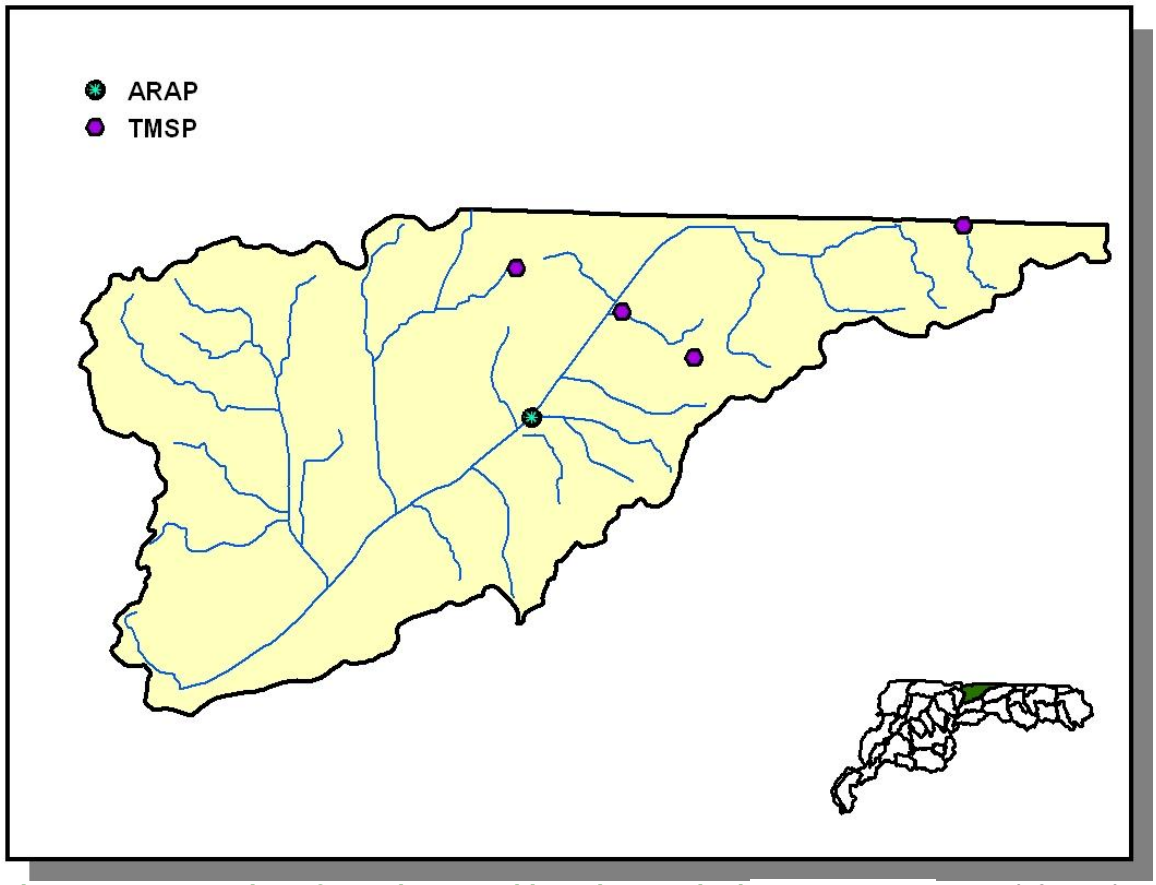

Figure 4-117. Location of Permits Issued in Subwatershed 080102020206. *More information, including the names of facilities, is provided in Appendix IV.*

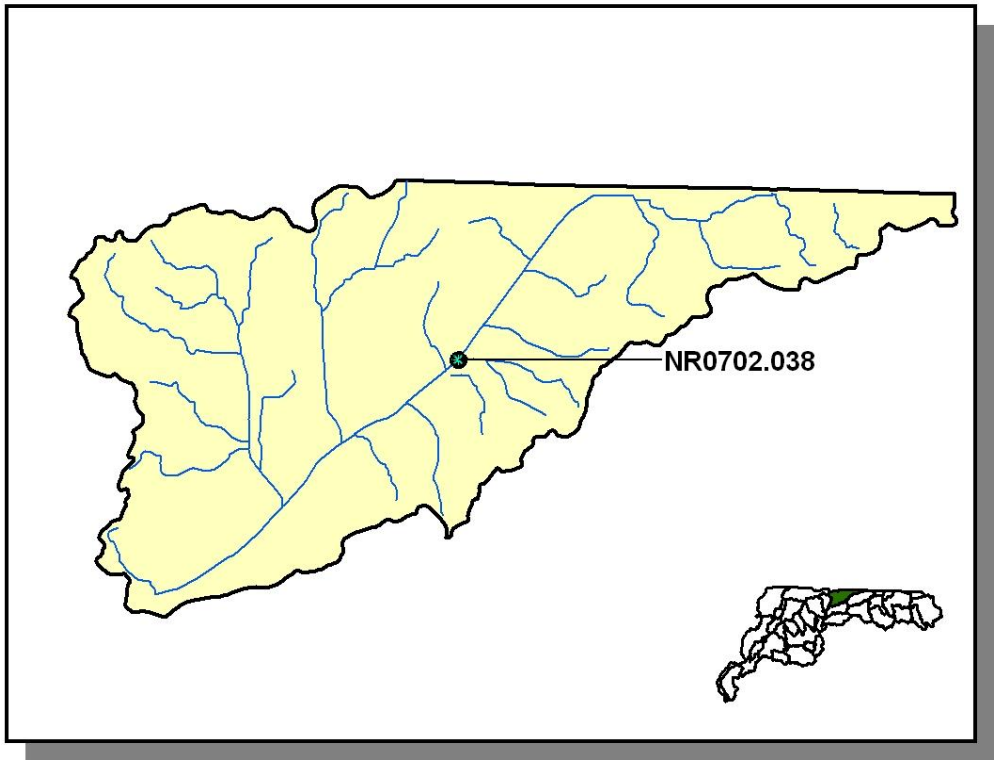

Figure 4-118. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020206. *More information is provided in Appendix IV.*

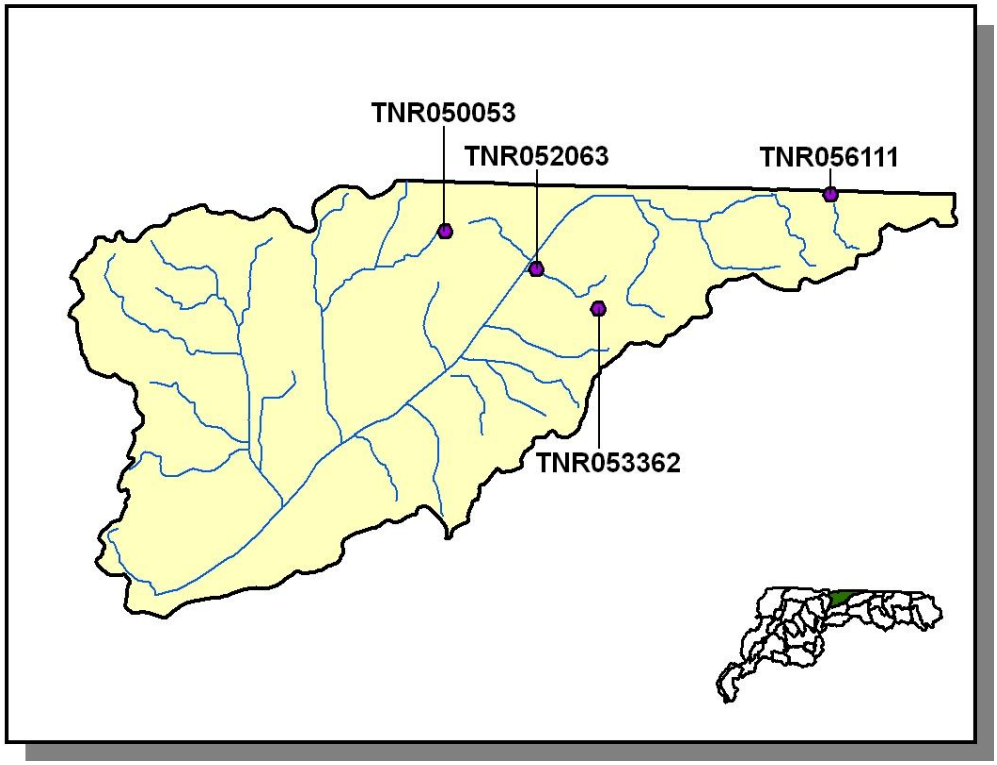

Figure 4-119. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020206. *More information is provided in Appendix IV.*

4.2.M.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-73. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8
Weakley	96.1	95.9	6.7	24.6

Table 4-74. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Other Cropland not Planted	13.92
Wheat (Close Grown Cropland)	9.79
Soybeans (Row Crops)	8.04
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.48
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.87
Grass Forbs Legumes Mixed (Pastureland)	0.87
Grass (Pastureland)	0.66
Legume (Hayland)	0.49
Grass (Hayland)	0.47
Farmsteads and Ranch Headquarters	0.17
Legume (Pastureland)	0.12

Table 4-75. Annual Estimated Total Soil Loss in Subwatershed 080102020206.

4.2.N. 080102020207 (Needham Creek).

4.2.N.i. General Description.

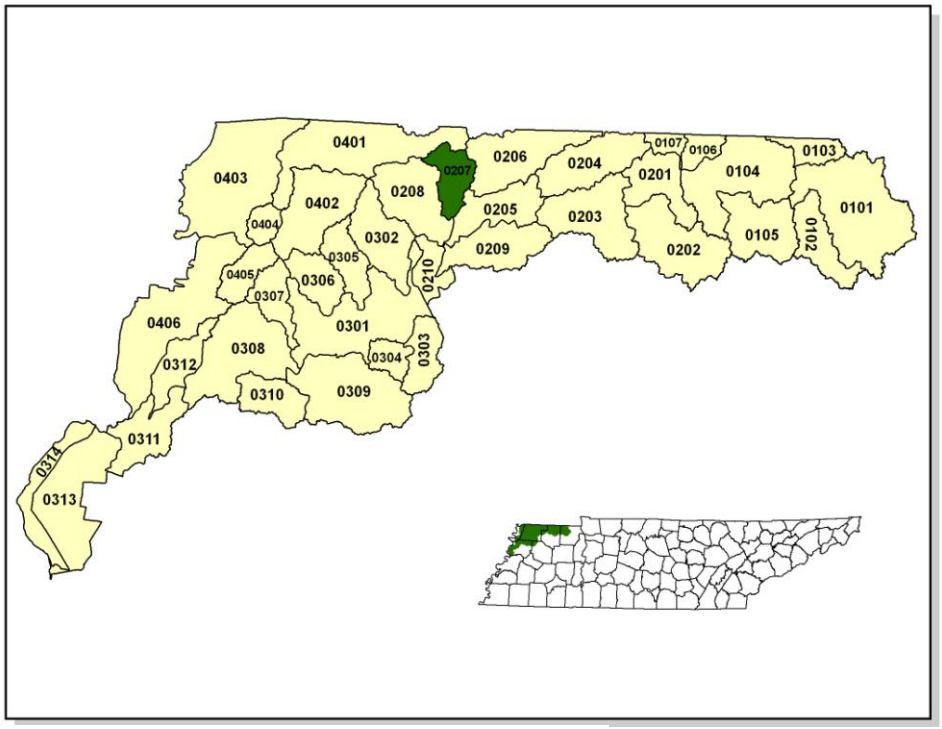

Figure 4-120. Location of Subwatershed 080102020207. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

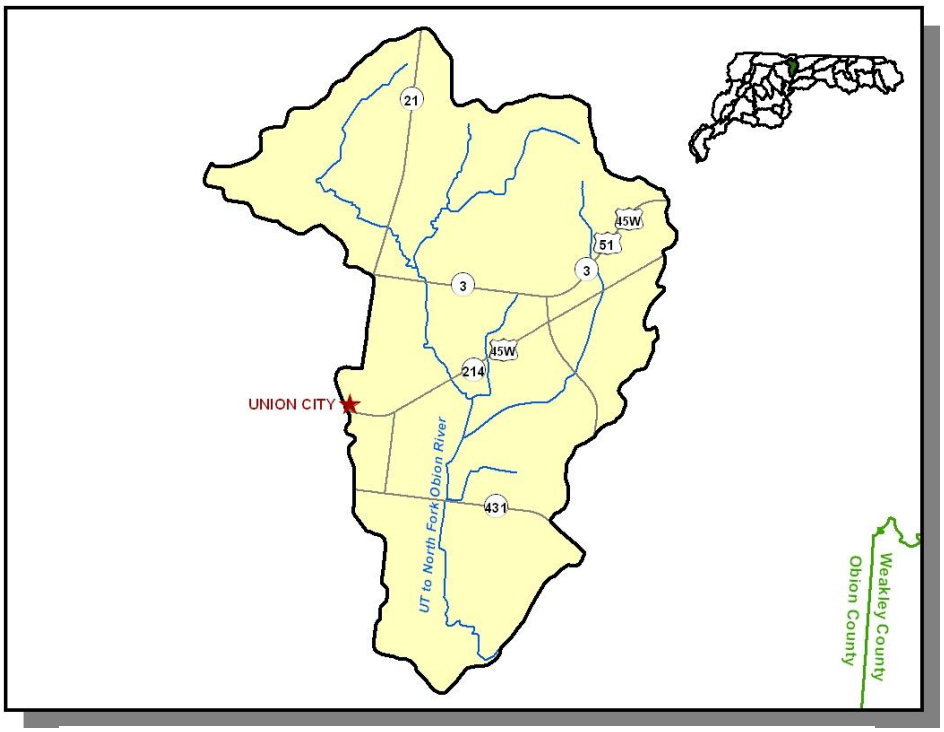

Figure 4-121. Locational Details of Subwatershed 080102020207.

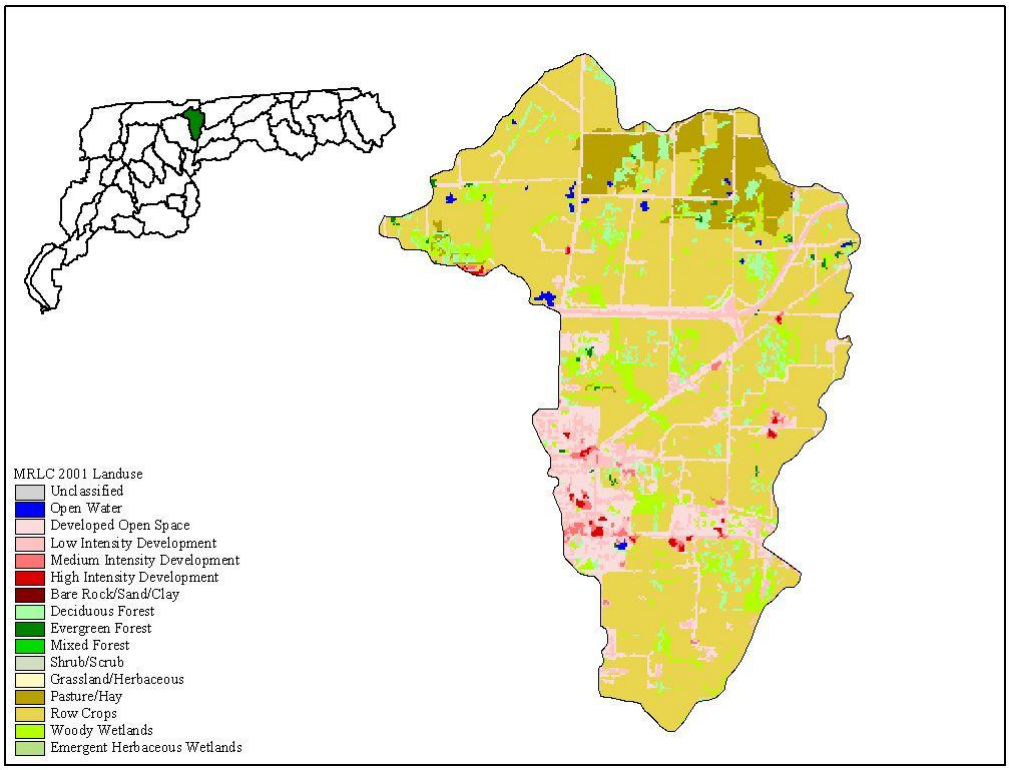

Figure 4-122. Illustration of Land Use Distribution in Subwatershed 080102020207.

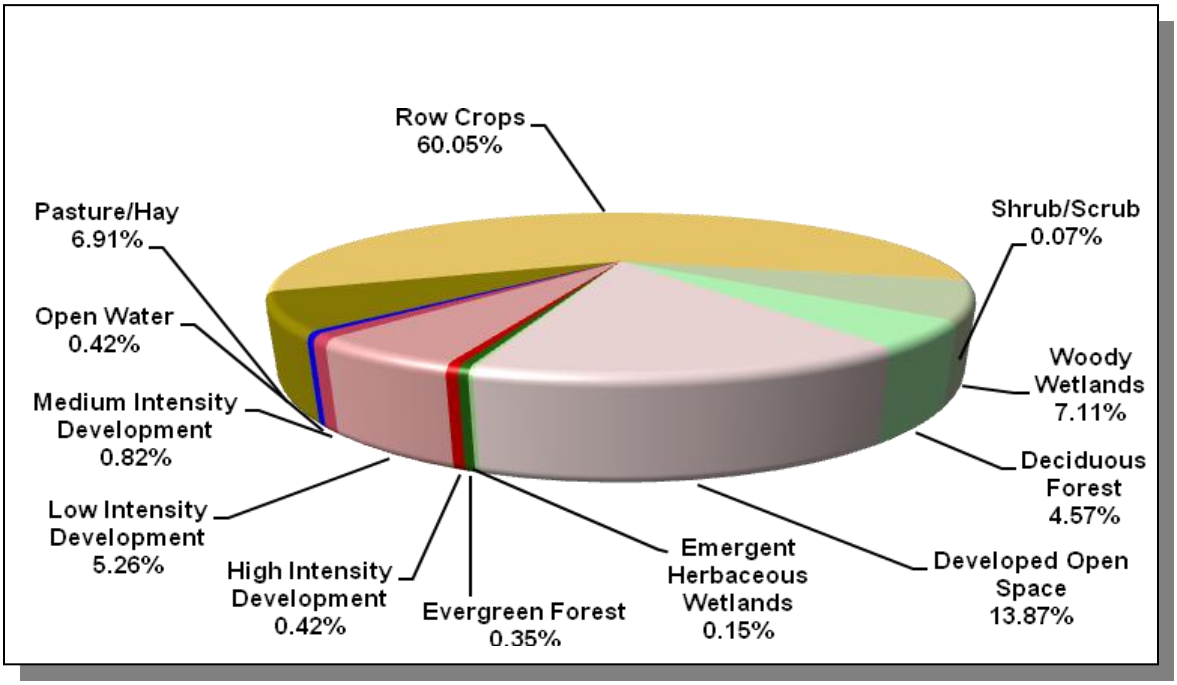

Figure 4-123. Land Use Distribution in Subwatershed 080102020207. *More information is provided in Appendix IV.*

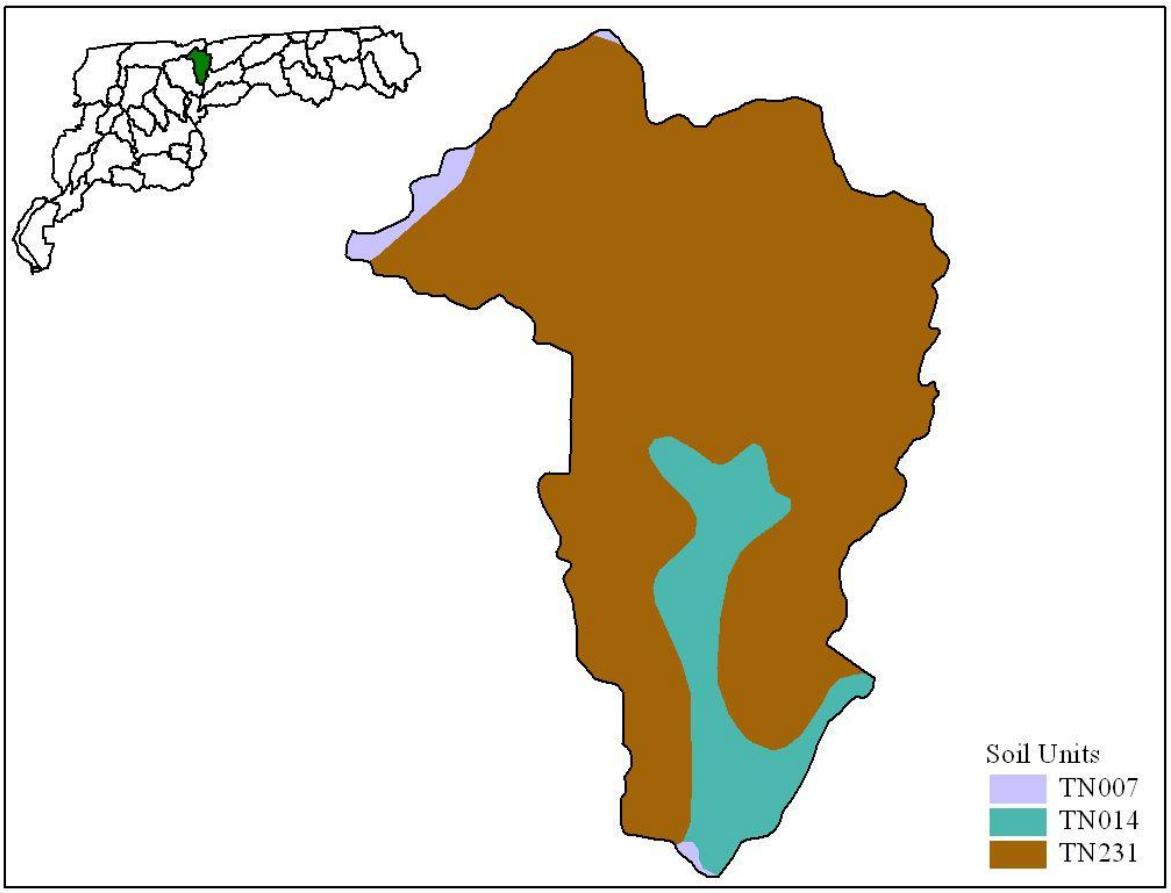

Figure 4-124. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020207.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-76. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020207. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	2.97	941	952	963	2.30

Table 4-77. Population Estimates in Subwatershed 080102020207.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Union City	Obion	10,512	4,608	4,572	36	0

Table 4-78. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020207.

4.2.N.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020207.

4.2.N.iii. Permitted Activities.

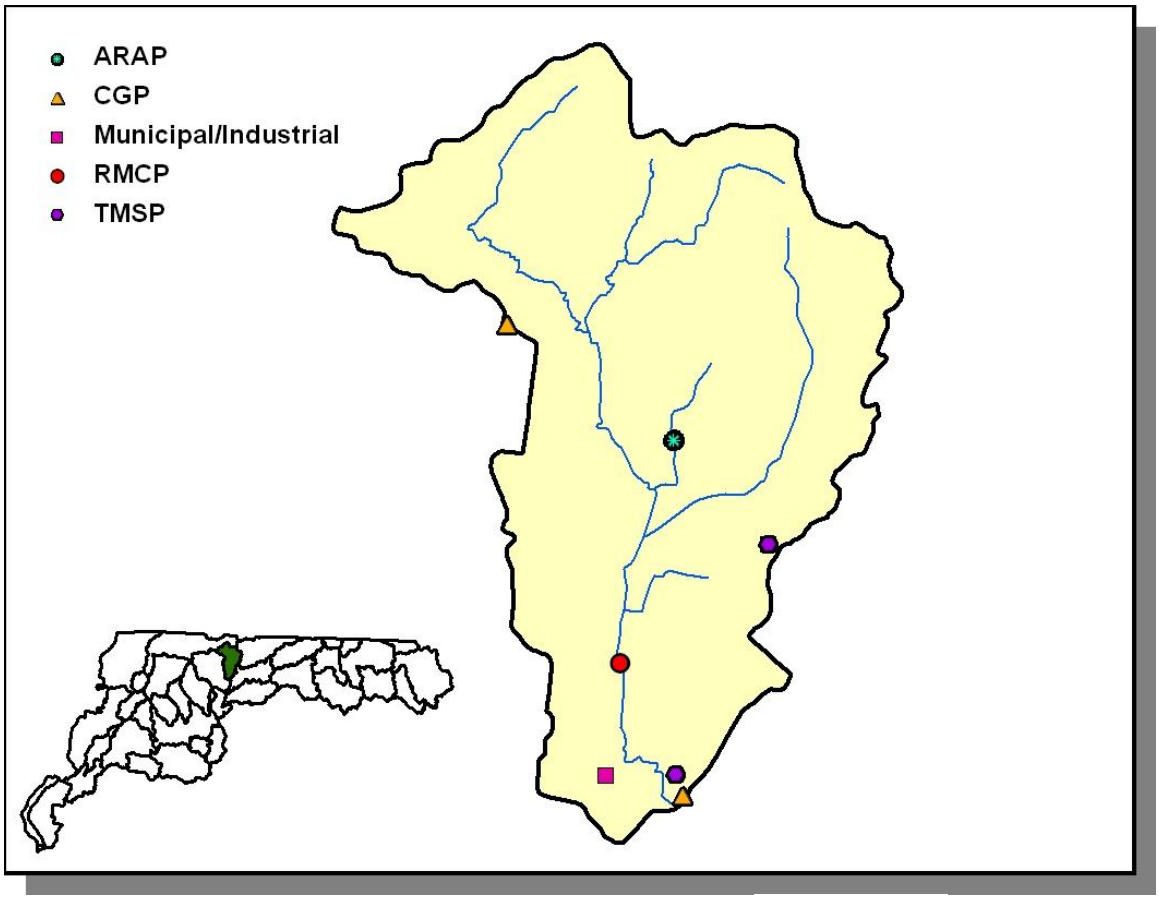

Figure 4-125. Location of Permits Issued in Subwatershed 080102020207. *More information, including the names of facilities, is provided in Appendix IV.*

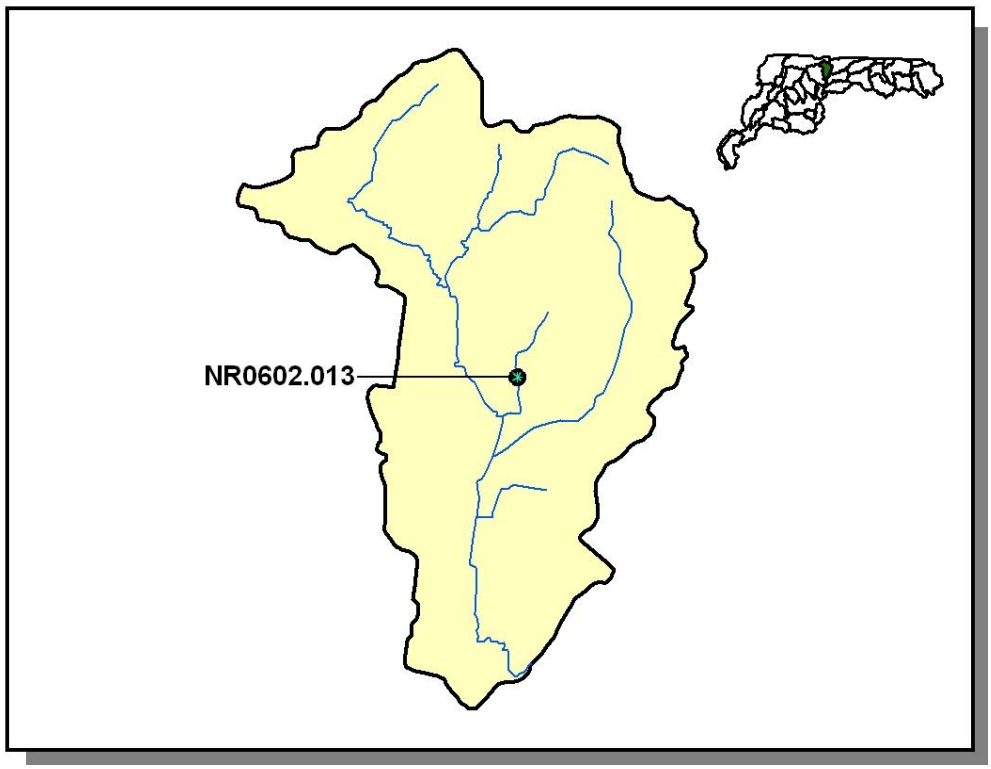

Figure 4-126. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020207. *More information is provided in Appendix IV.*

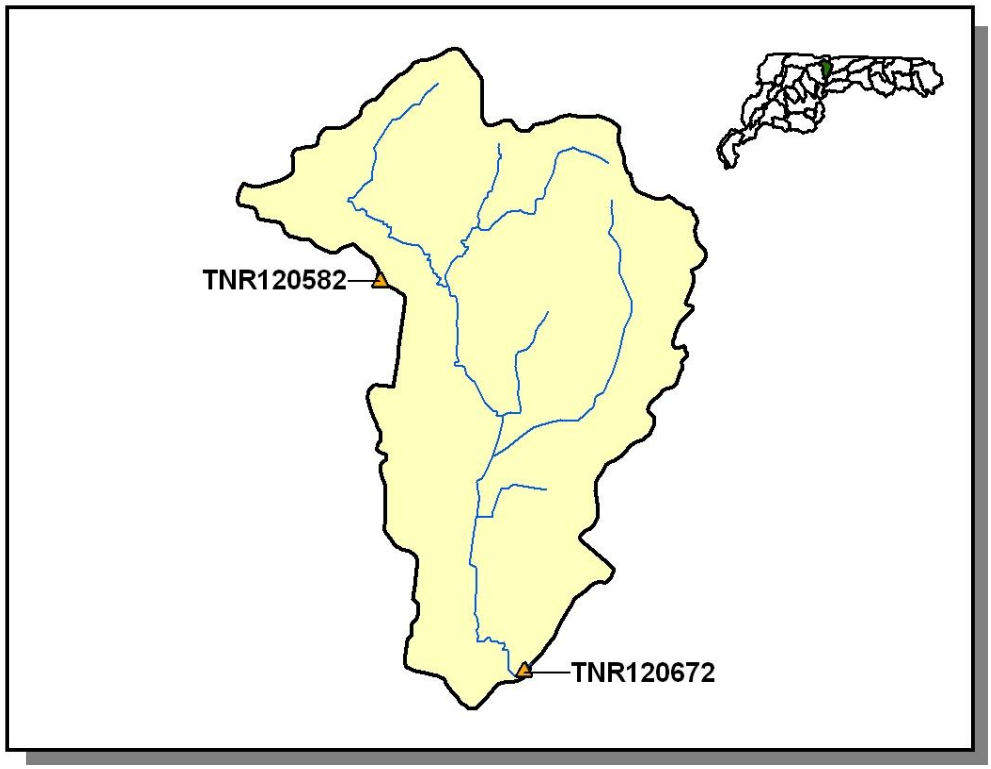

Figure 4-127. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020207. *More information is provided in Appendix IV.*

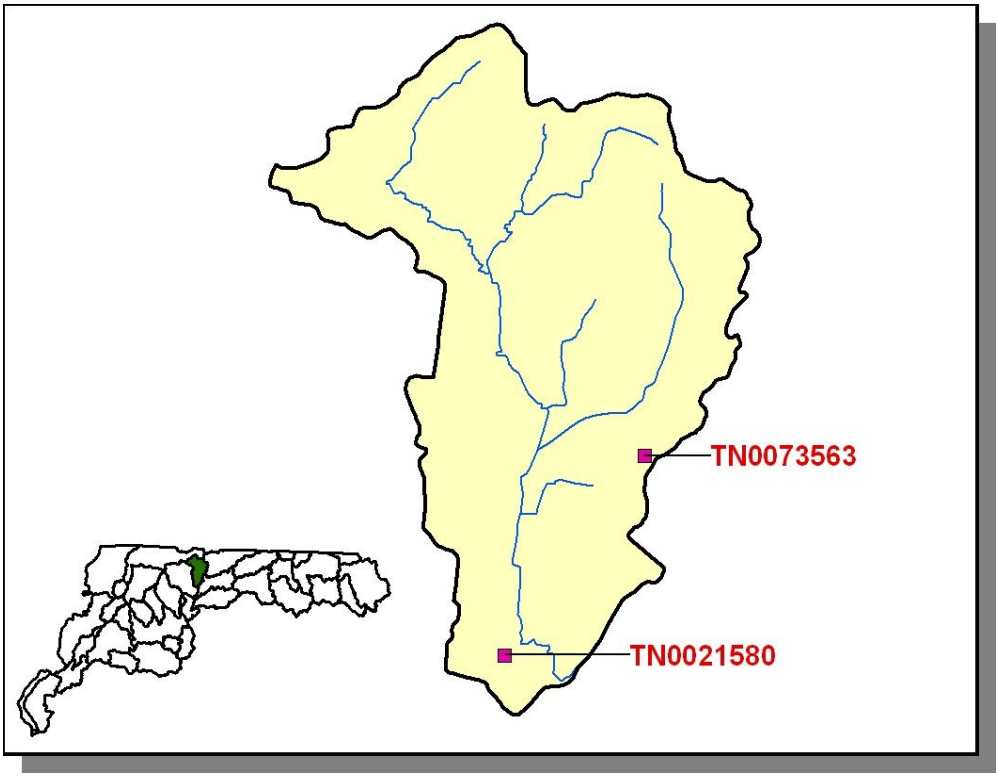

Figure 4-128. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020207. *Permit numbers in red indicate that the facility discharges to a stream listed on the 2006 303(d) list. More information, including the name of the facility is provided in Appendix IV.*

PERMIT #	1Q10	7Q10	30Q2	DISCHARGE FLOW
TN0021580		58.9		5.09(Summer) 6.50(Winter)
TN0073563	57.1	59.0	73.1	0.970

Table 4-79. Receiving Stream Flow Information Used for Limit Calculations for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020207. *Data are in million gallons per day (MGD).Data were obtained from permit files.*

PERMIT #	AMMONIA AS N (TOTAL)	$CBOD_5$	CBOD % REMOVAL	BOD_5	TRC	OIL AND GREASE
TN0021580	X	X	X		X	
TN0073563	X	X		X	X	X

Table 4-80. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020207. *$CBOD_5$, Carbonaceous Biochemical Oxygen Demand (5-day); BOD_5, Biochemical Oxygen Demand (5-day); TRC, Total Residual Chlorine.*

PERMIT #	DO	SS	TSS	TSS % REMOVAL	pH	WET	FLOW
TN0021580	X	X	X	X	X	X	X
TN0073563	X	X	X		X	X	X

Table 4-81. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020207. *DO, Dissolved Oxygen; SS, Settleable Solids; TSS, Total Suspended Solids; WET, Whole Effluent Toxicity.*

PERMIT #	E. *coli*	FECAL COLIFORM
TN0021580	X	
TN0073563	X	X

Table 4-82. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020207.

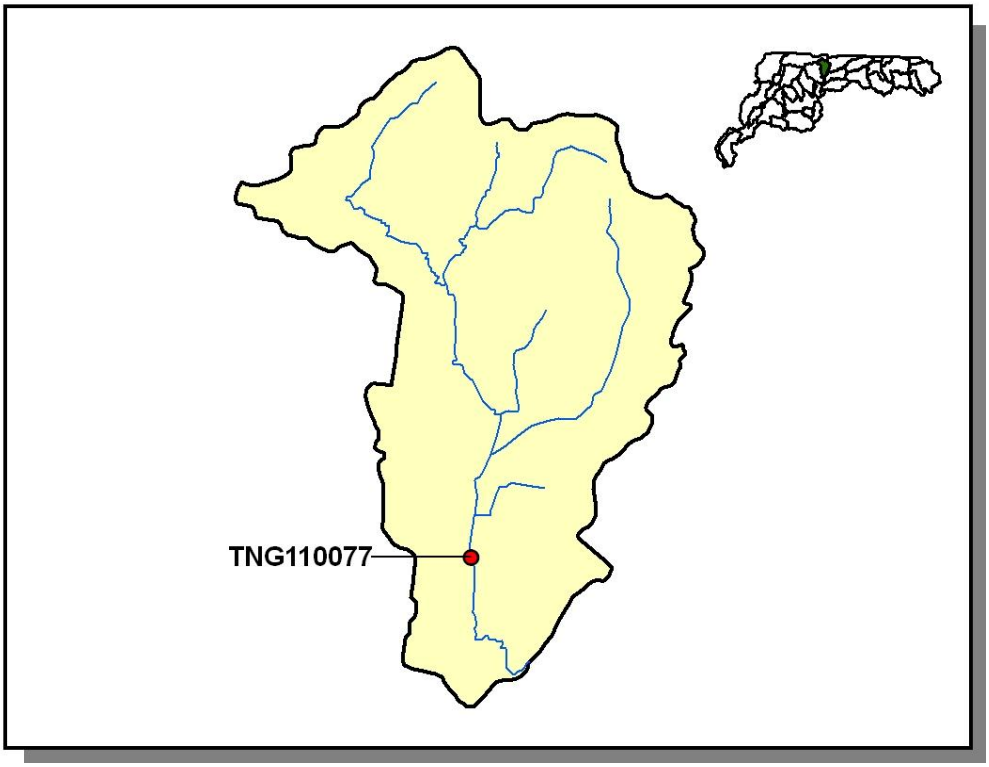

Figure 4-129. Location of RMCP (Ready Mix Concrete Plant) facilities in Subwatershed 080102020207. *More information, including the names of facilities, is provided in Appendix IV.*

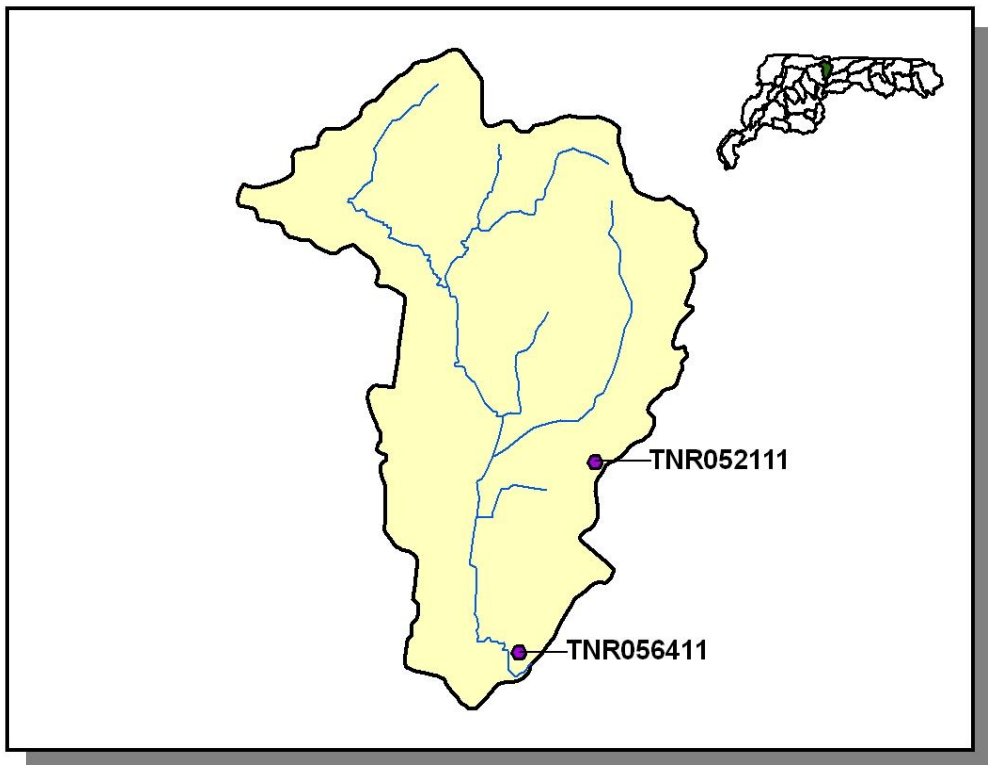

Figure 4-130. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020207. *More information is provided in Appendix IV.*

4.2.N.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-83. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-84. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-85. Annual Estimated Total Soil Loss in Subwatershed 080102020207.

4.2.O. 080102020208 (Houser Creek).

4.2.O.i. General Description.

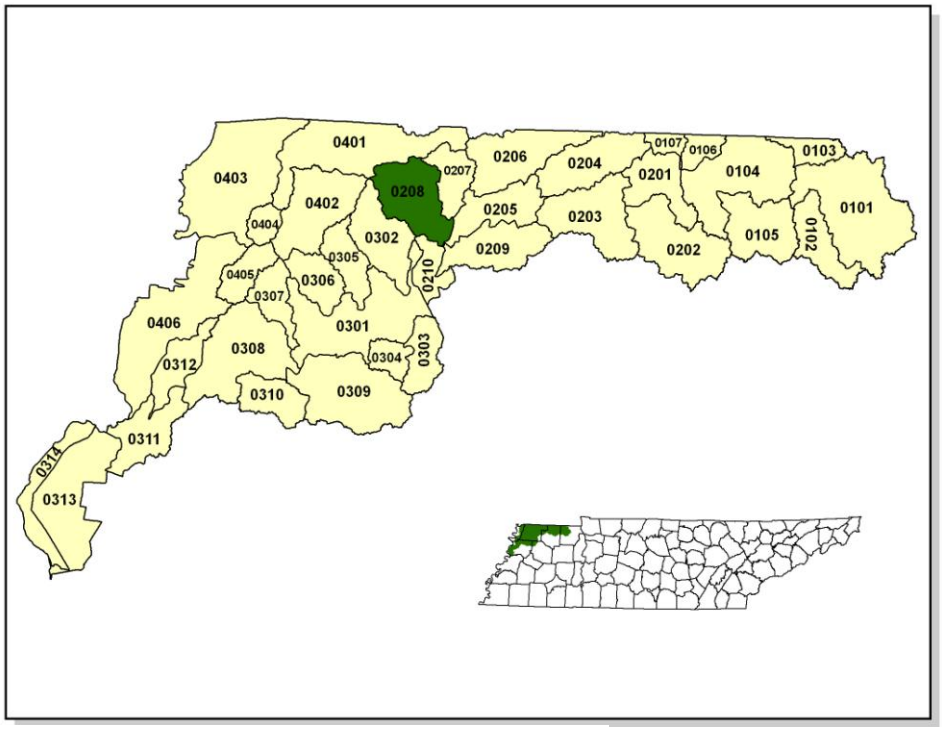

Figure 4-131. Location of Subwatershed 080102020208. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

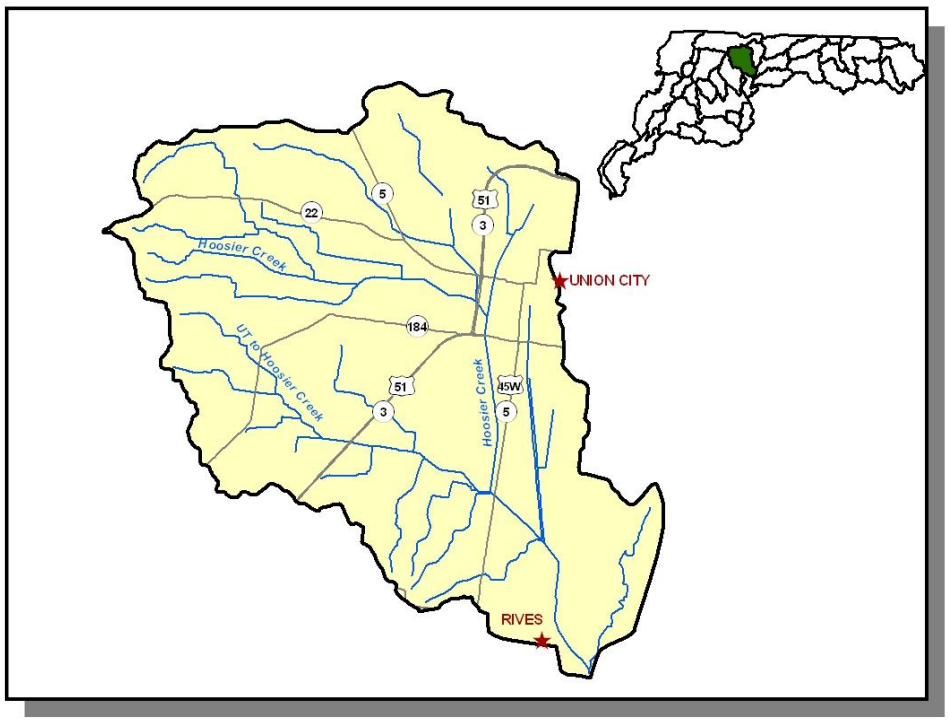

Figure 4-132. Locational Details of Subwatershed 080102020208.

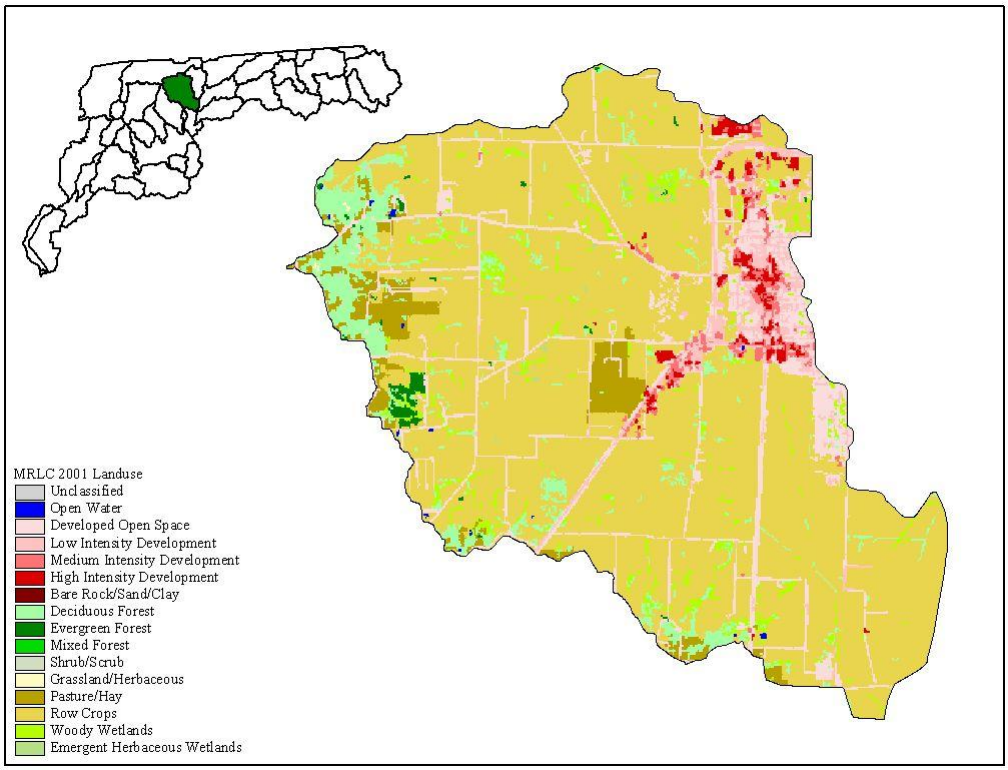

Figure 4-133. Illustration of Land Use Distribution in Subwatershed 080102020208.

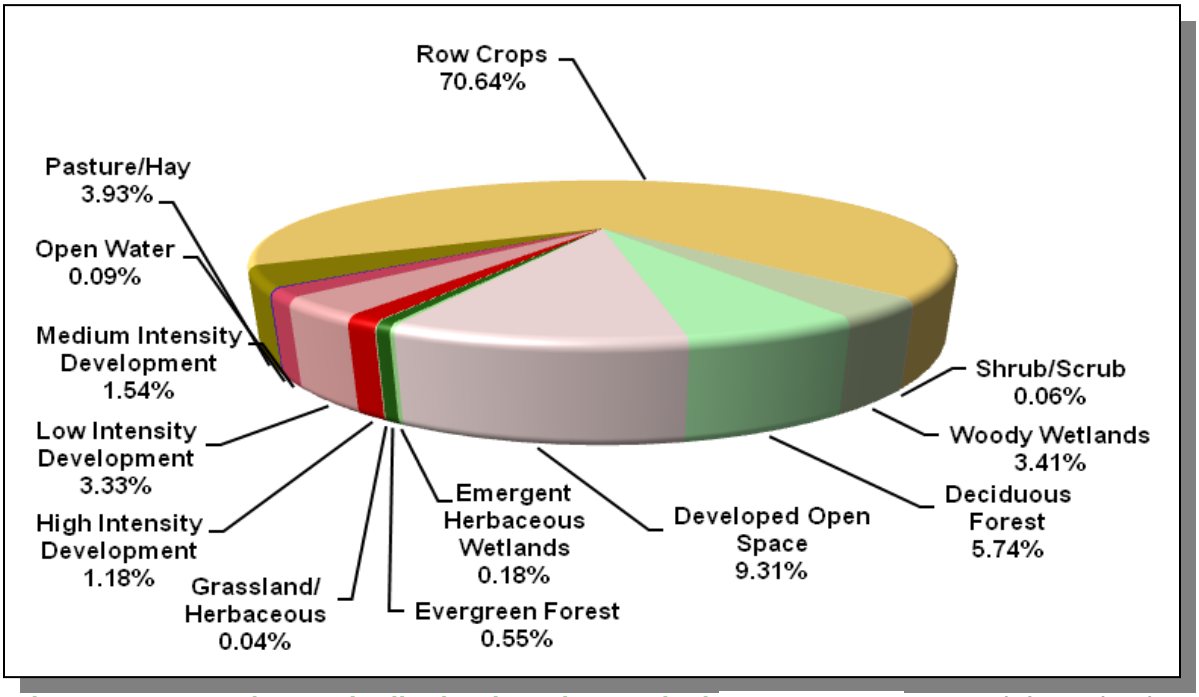

Figure 4-134. Land Use Distribution in Subwatershed 080102020208. *More information is provided in Appendix IV.*

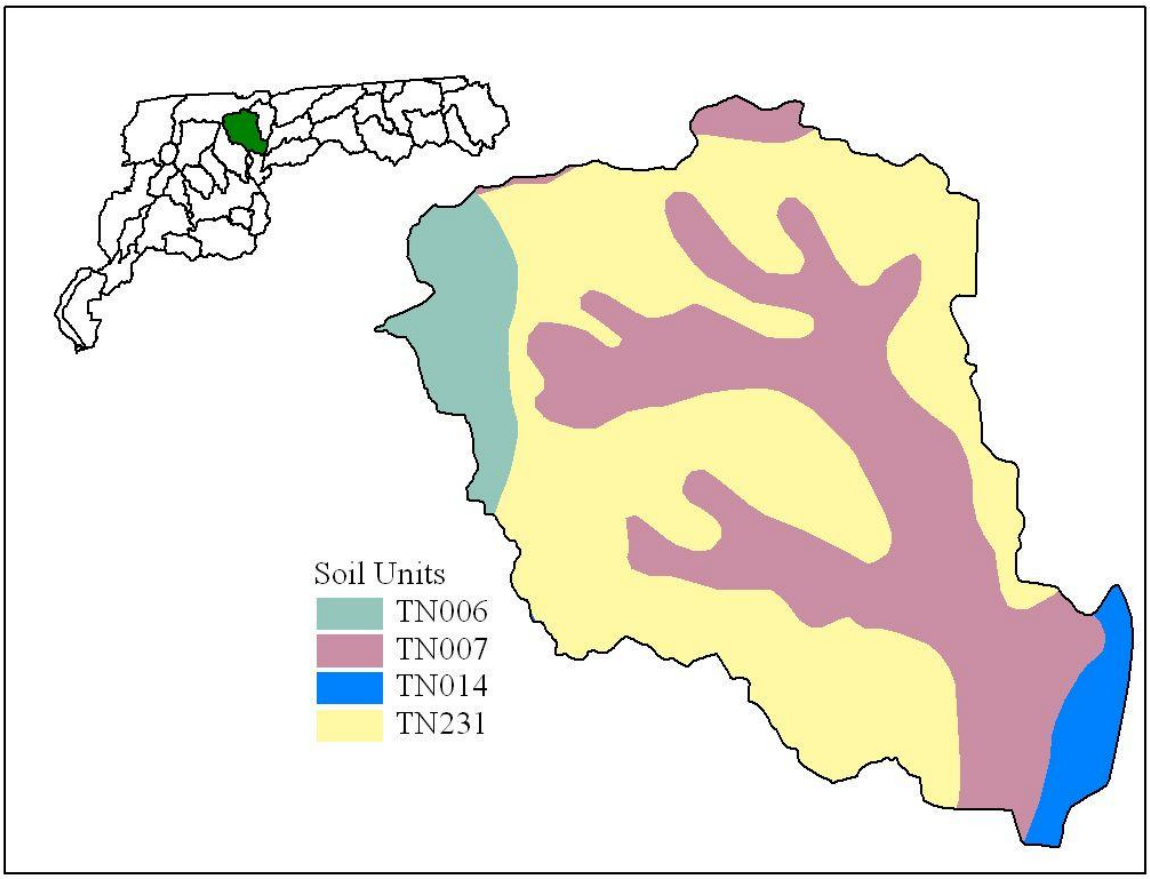

Figure 4-135. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020208.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-86. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020208. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	6.04	1,914	1,936	1,959	2.40

Table 4-87. Population Estimates in Subwatershed 080102020208.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Rives	Obion	357	154	139	12	3
Union City	Obion	10,512	4,608	4,572	36	0

Table 4-88. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020208.

4.2.O.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020208.

4.2.O.iii. Permitted Activities.

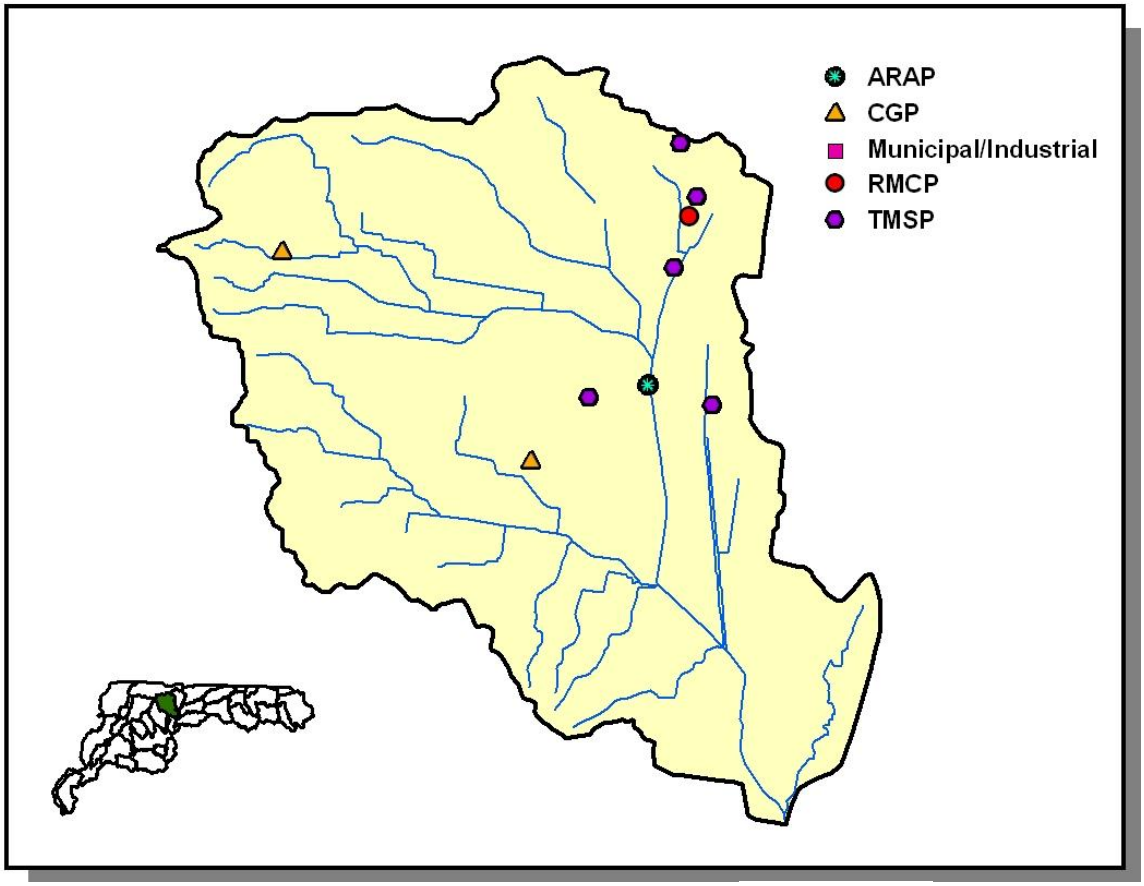

Figure 4-136. Location of Permits Issued in Subwatershed 080102020208. *More information, including the names of facilities, is provided in Appendix IV.*

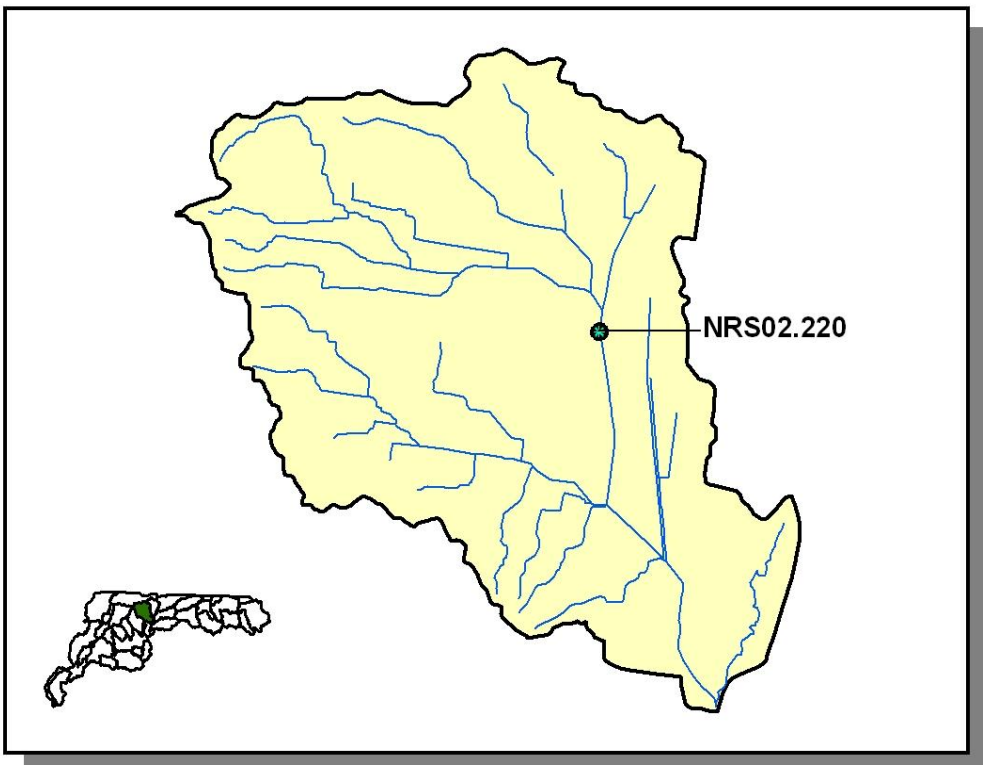

Figure 4-137. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020208. *More information is provided in Appendix IV.*

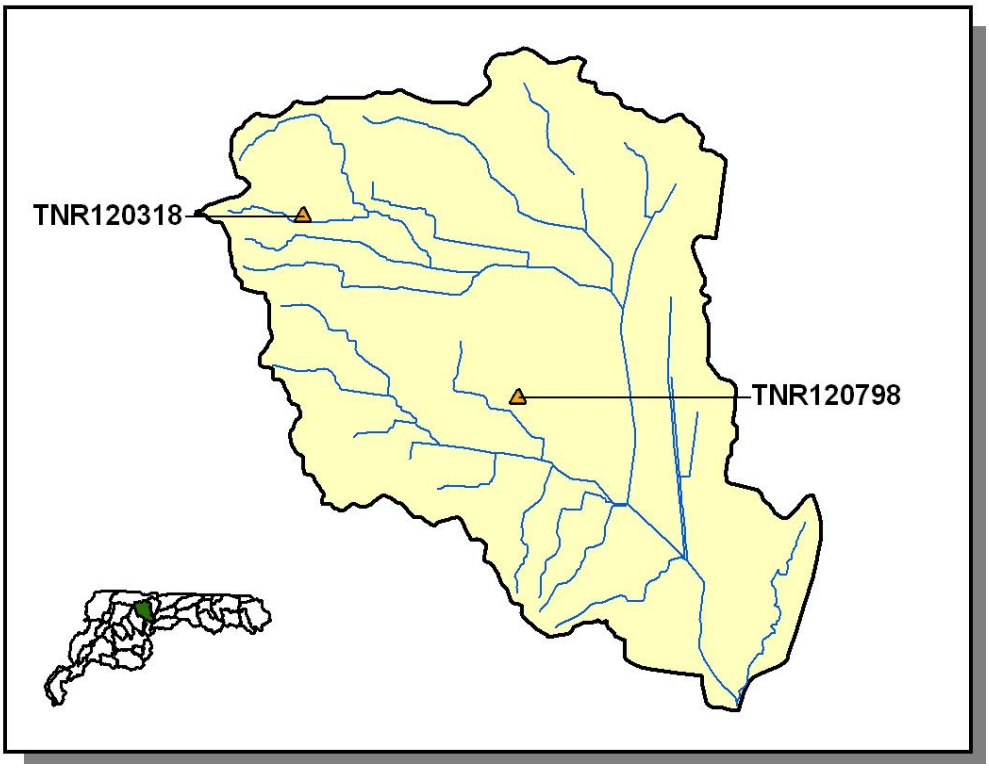

Figure 4-138. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020208. *More information is provided in Appendix IV.*

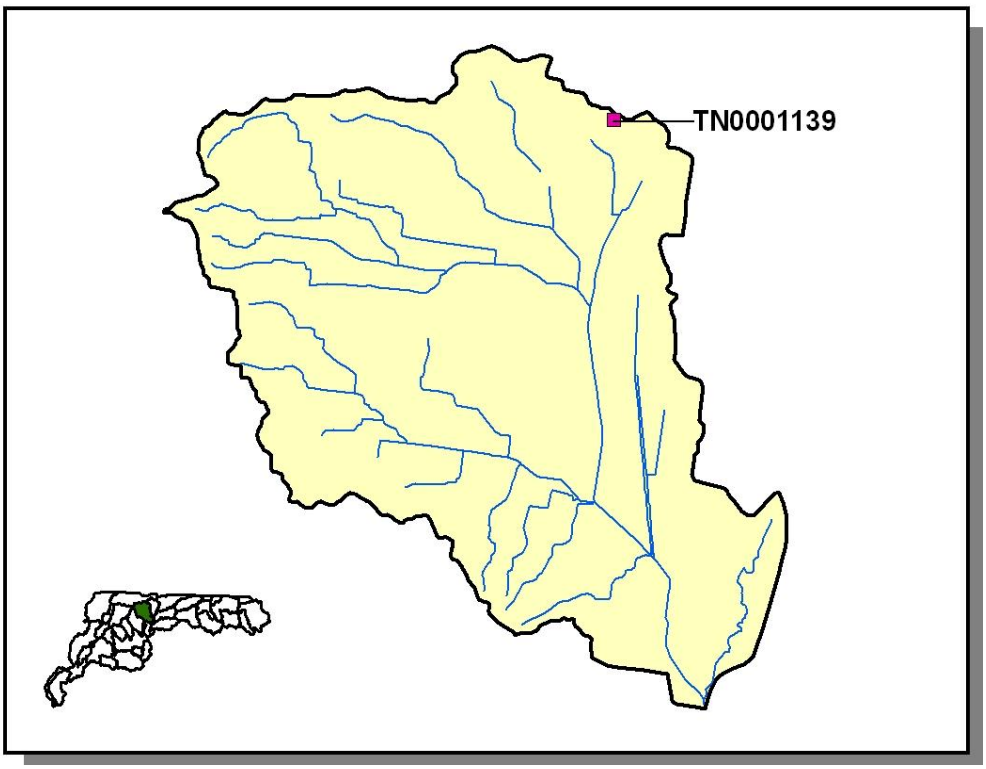

Figure 4-139. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020208. *More information, including the name of the facility is provided in Appendix IV.*

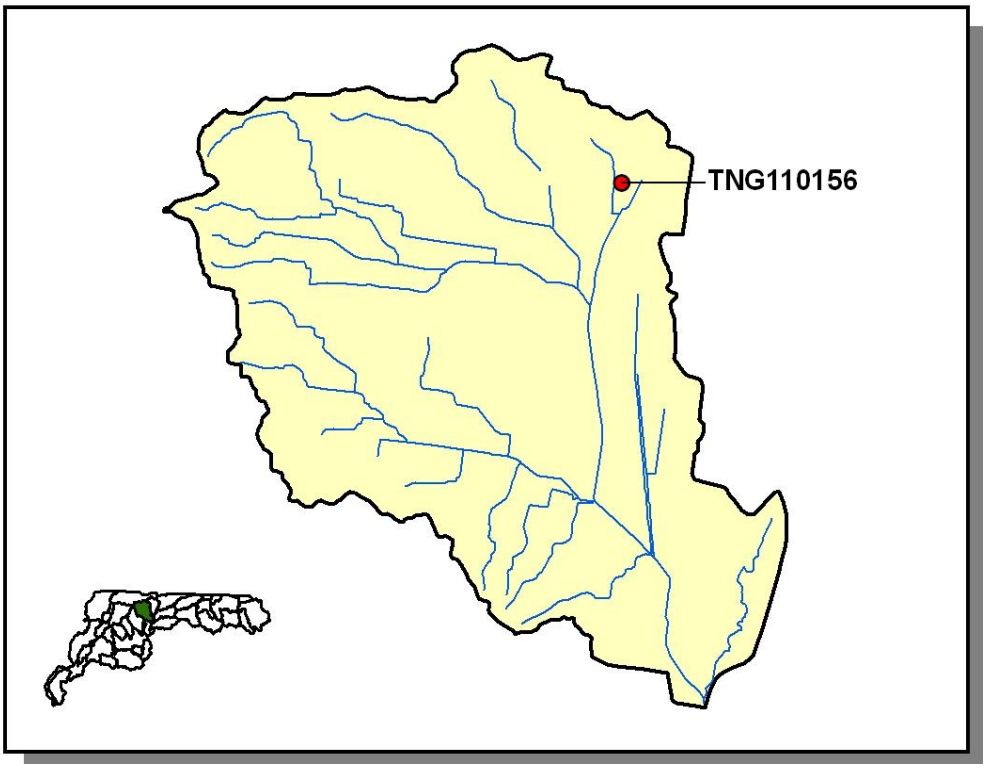

Figure 4-140. Location of RMCP (Ready Mix Concrete Plant) facilities in Subwatershed 080102020208. *More information, including the names of facilities, is provided in Appendix IV.*

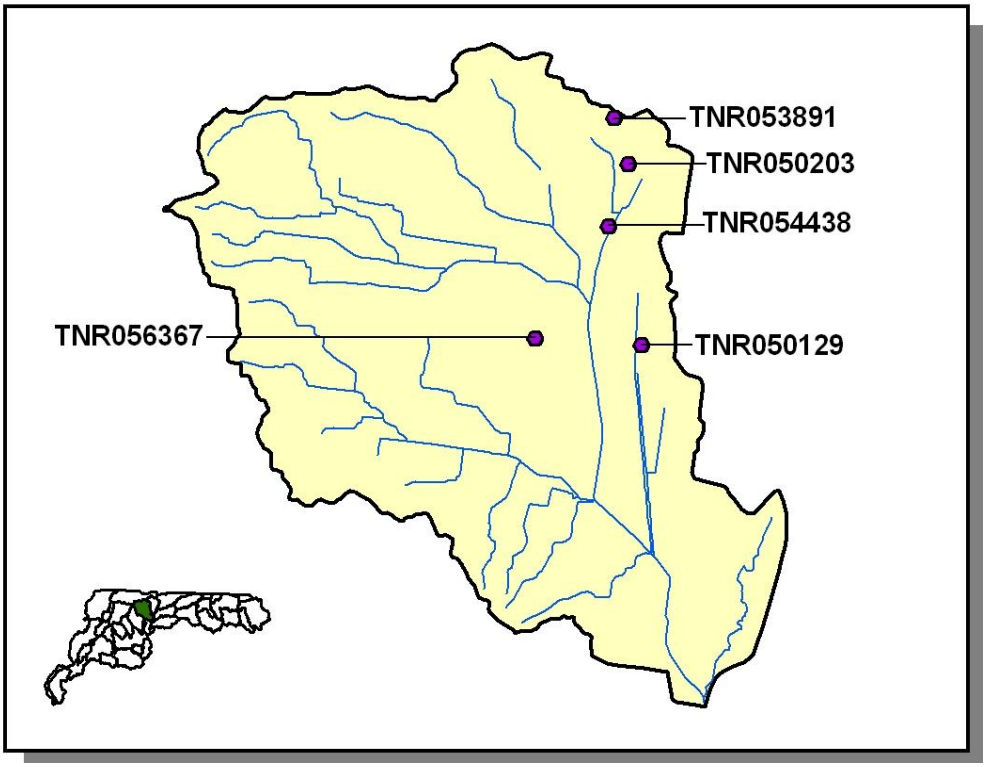

Figure 4-141. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020208. *More information is provided in Appendix IV.*

4.2.O.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-89. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-90. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-91. Annual Estimated Total Soil Loss in Subwatershed 080102020208.

4.2.P. 080102020209 (Little Cypress Creek).

4.2.P.i. General Description.

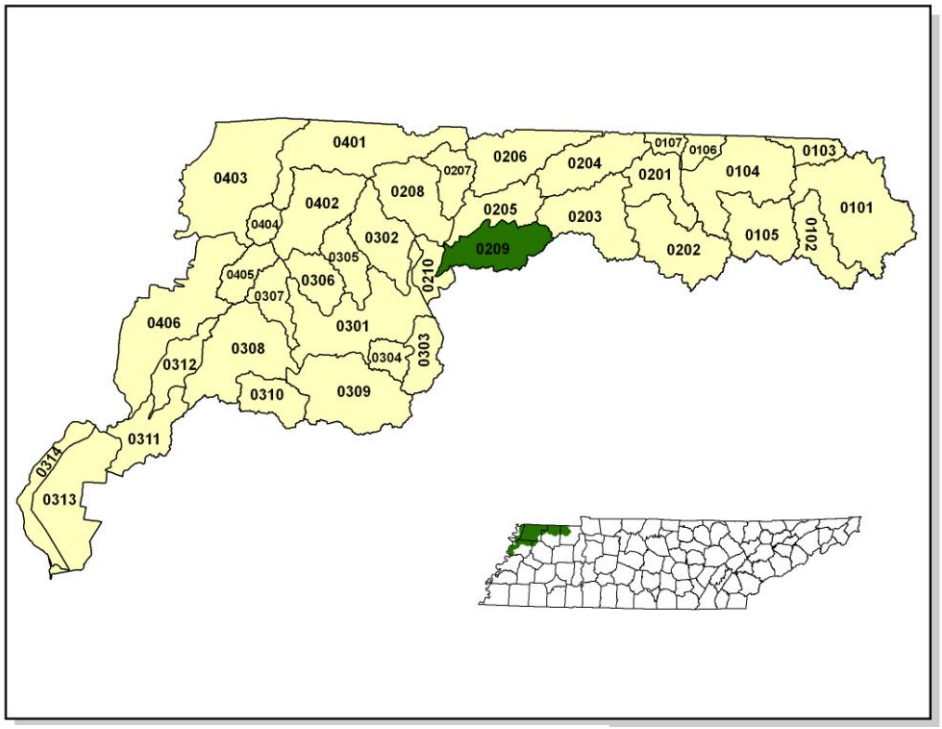

Figure 4-142. Location of Subwatershed 080102020209. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

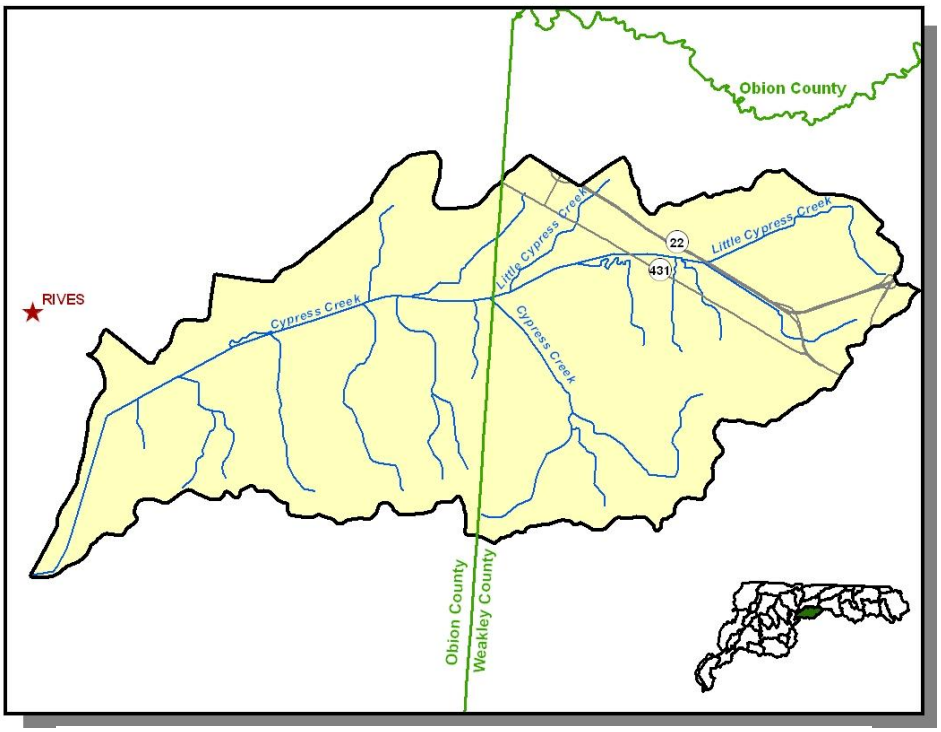

Figure 4-143. Locational Details of Subwatershed 080102020209.

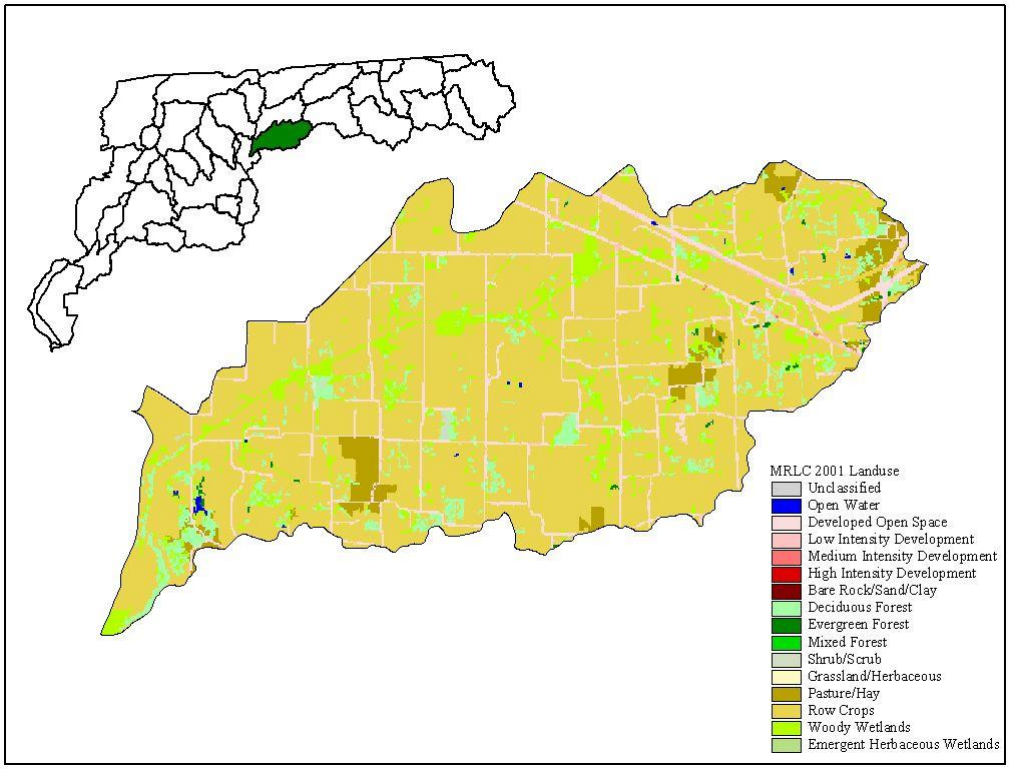

Figure 4-144. Illustration of Land Use Distribution in Subwatershed 080102020209.

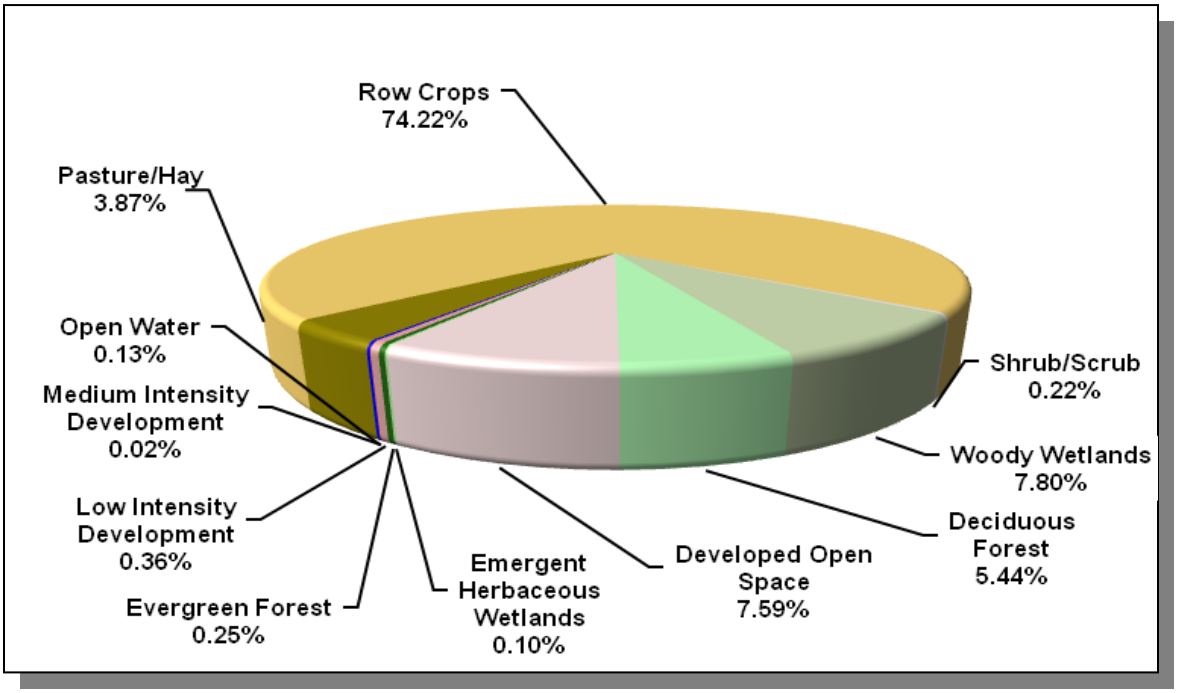

Figure 4-145. Land Use Distribution in Subwatershed 080102020209. *More information is provided in Appendix IV.*

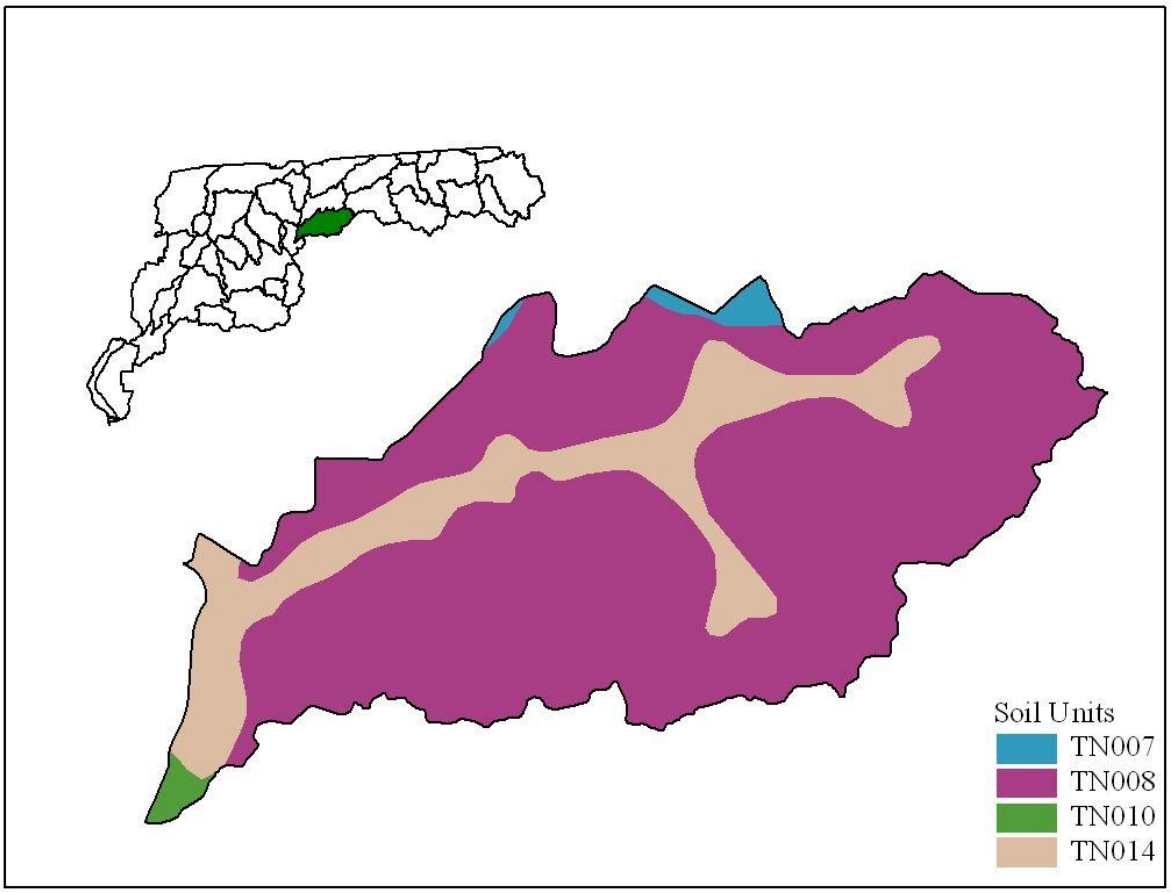

Figure 4-146. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020209.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-92. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020209. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	2.66	842	852	862	2.40
Weakley	31,972	32,808	34,895	2.63	842	864	919	9.10
Totals	**63,689**	**64,877**	**67,345**		**1,684**	**1,716**	**1,781**	**5.80**

Table 4-93. Population Estimates in Subwatershed 080102020209.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Martin	Weakley	8,600	3,104	3,039	65	0

Table 4-94. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020209.

4.2.P.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020209.

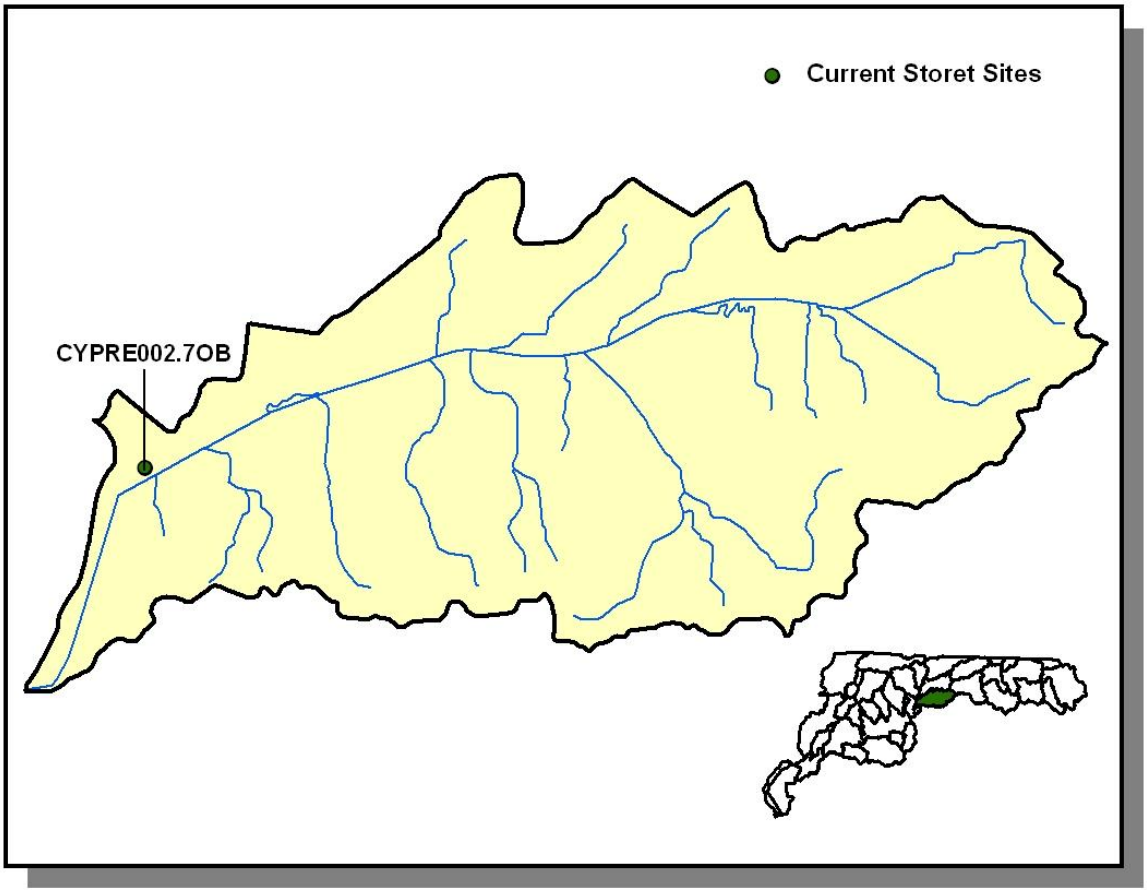

Figure 4-147. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020209. *More information, including site names and locations, is provided in Appendix IV.*

4.2.P.iii. Permitted Activities.

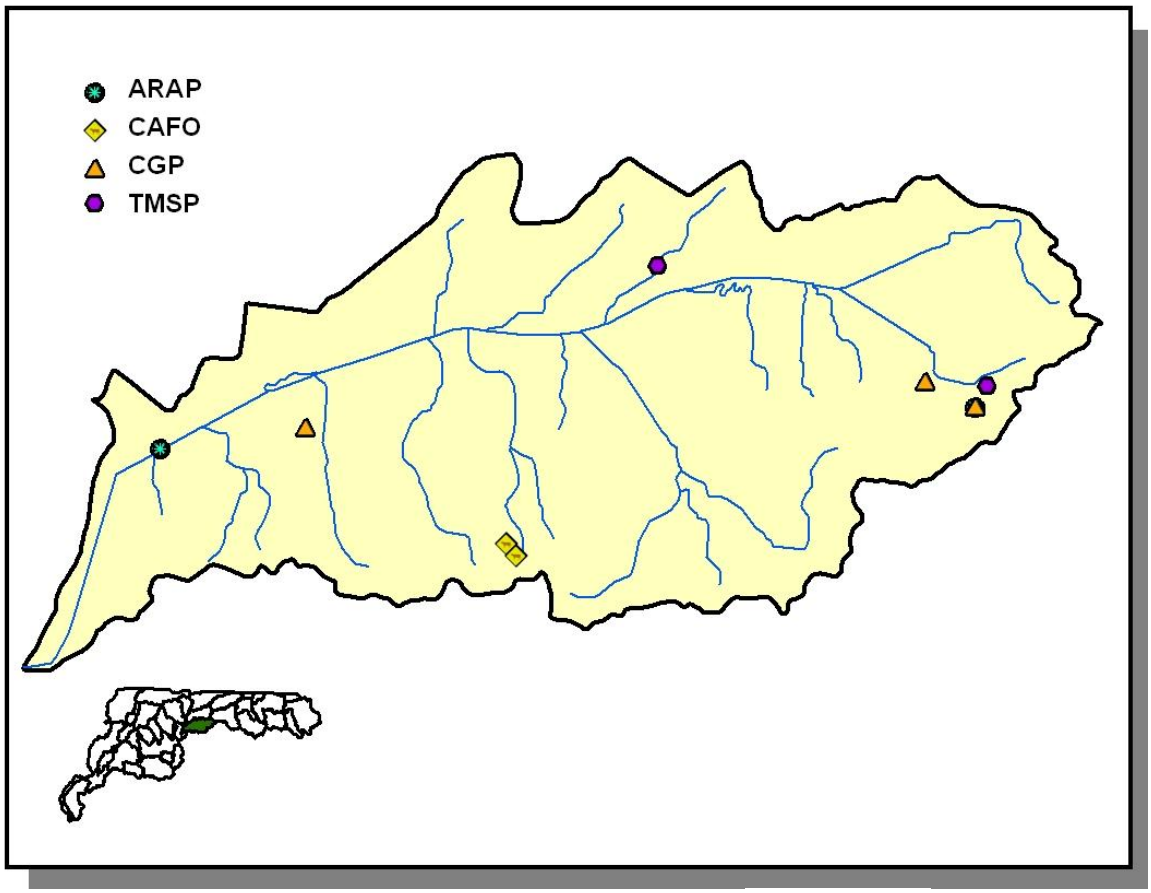

Figure 4-148. Location of Permits Issued in Subwatershed 080102020209. *More information, including the names of facilities, is provided in Appendix IV.*

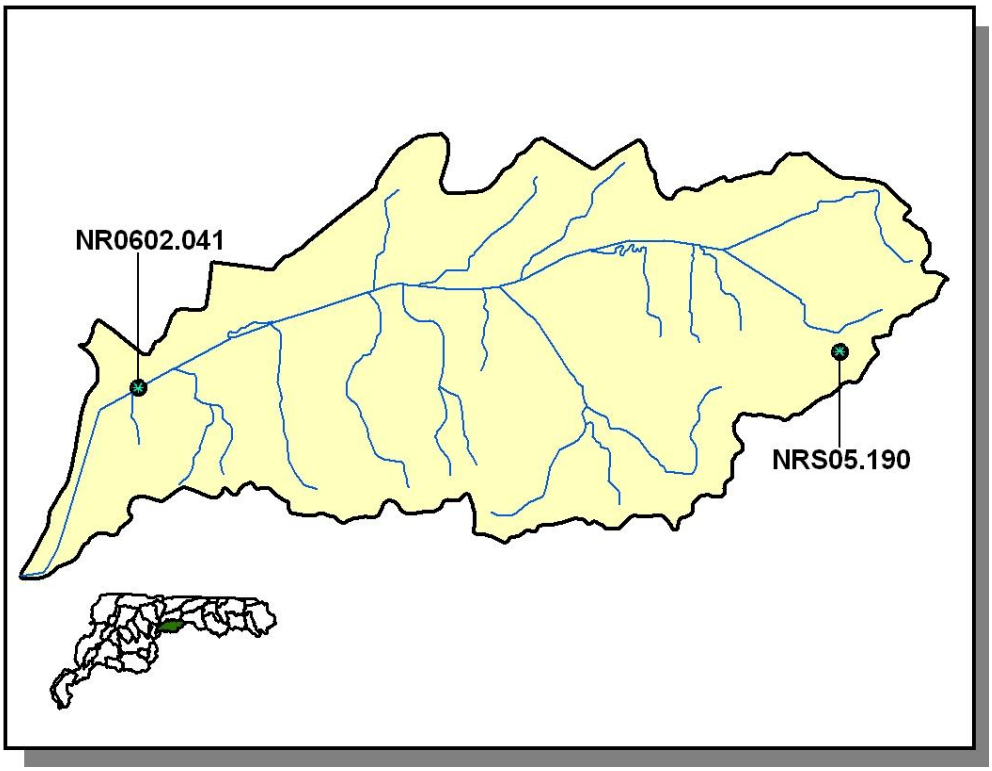

Figure 4-149. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020209. *More information is provided in Appendix IV.*

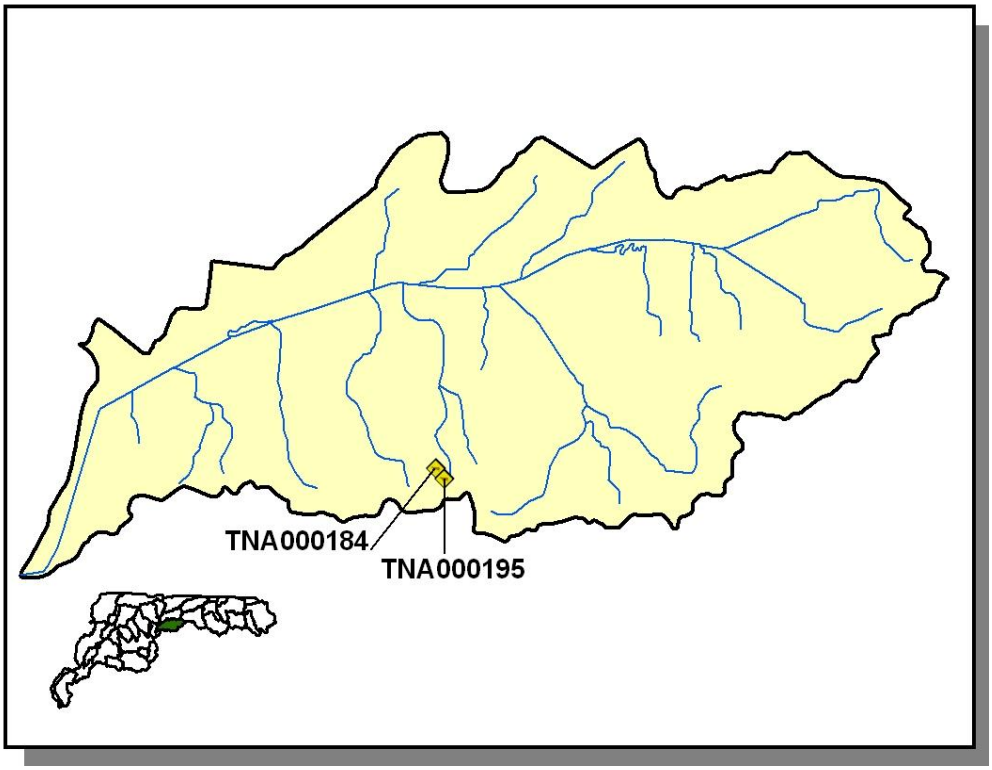

Figure 4-150. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020209. *More information, including the names of facilities, is provided in Appendix IV.*

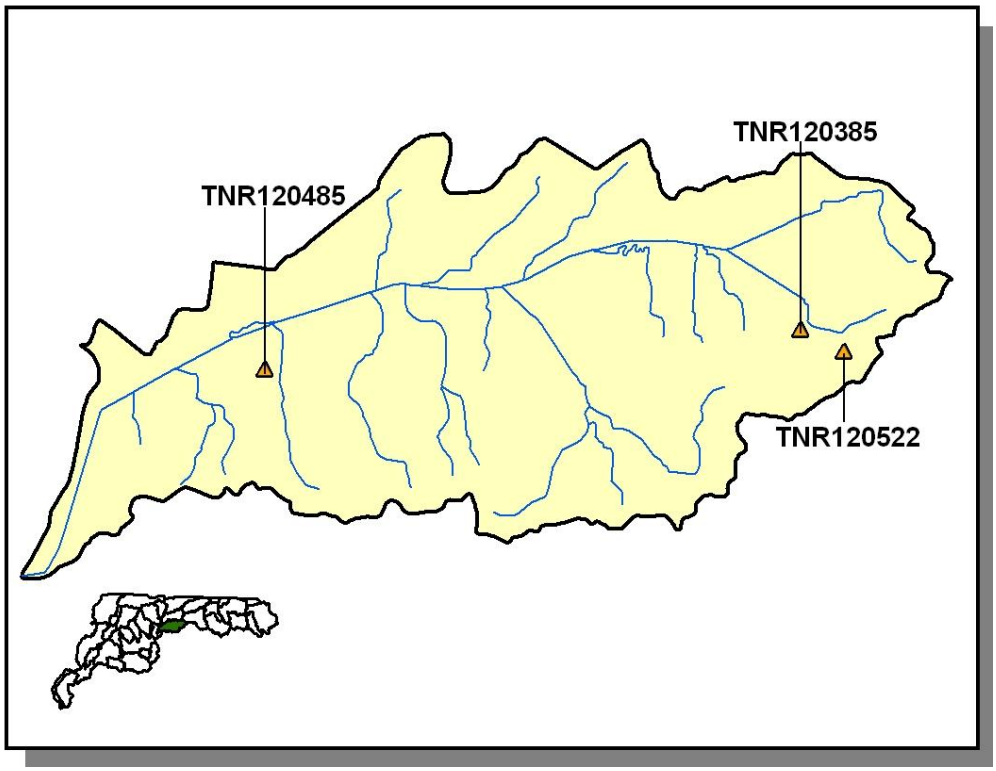

Figure 4-151. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020209. *More information is provided in Appendix IV.*

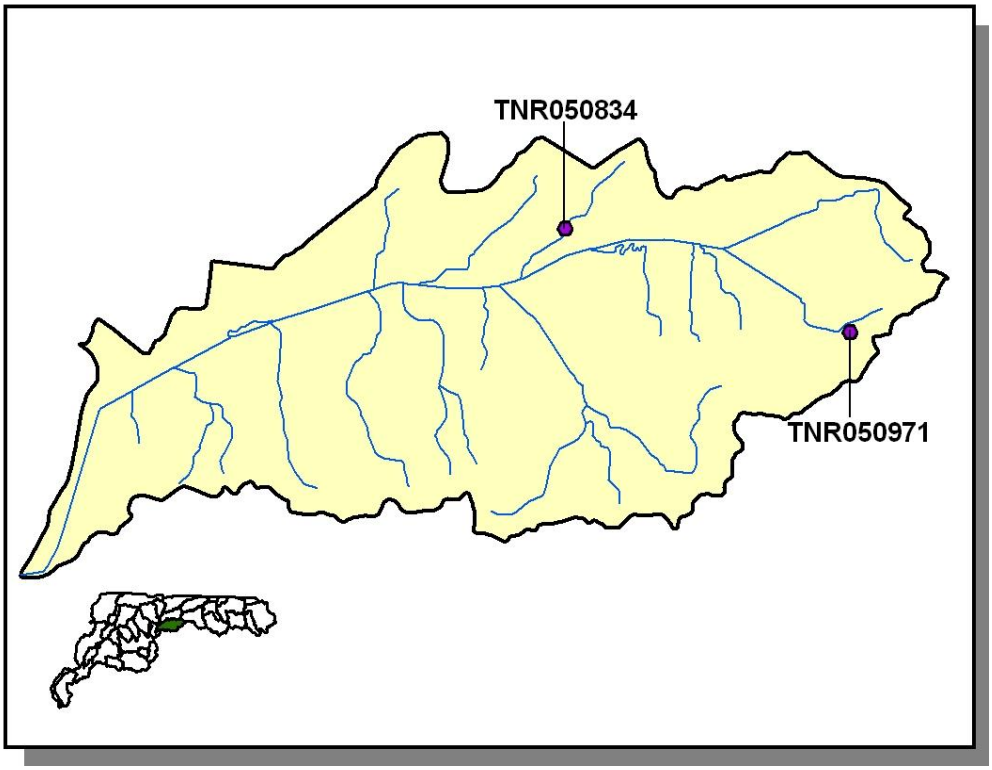

Figure 4-152. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020209. *More information is provided in Appendix IV.*

4.2.P.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205
Weakley	8,004	17,326	1,342	280	44,572	161

Table 4-95. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8
Weakley	96.1	95.9	6.7	24.6

Table 4-96. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	32.63
Wheat (Close Grown Cropland)	9.90
Other Cropland not Planted	9.35
Soybeans (Row Crops)	7.84
Corn (Row Crops)	5.97
Cotton (Row Crops)	5.74
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.17
Grass Forbs Legumes Mixed (Pastureland	0.98
Legume (Pastureland)	0.77
Legume (Hayland)	0.49
Grass (Pastureland)	0.40
Grass (Hayland)	0.35
Farmsteads and Ranch Headquarters	0.30

Table 4-97. Annual Estimated Total Soil Loss in Subwatershed 080102020209.

4.2.Q. 080102020210 (North Fork Obion River).

4.2.Q.i. General Description.

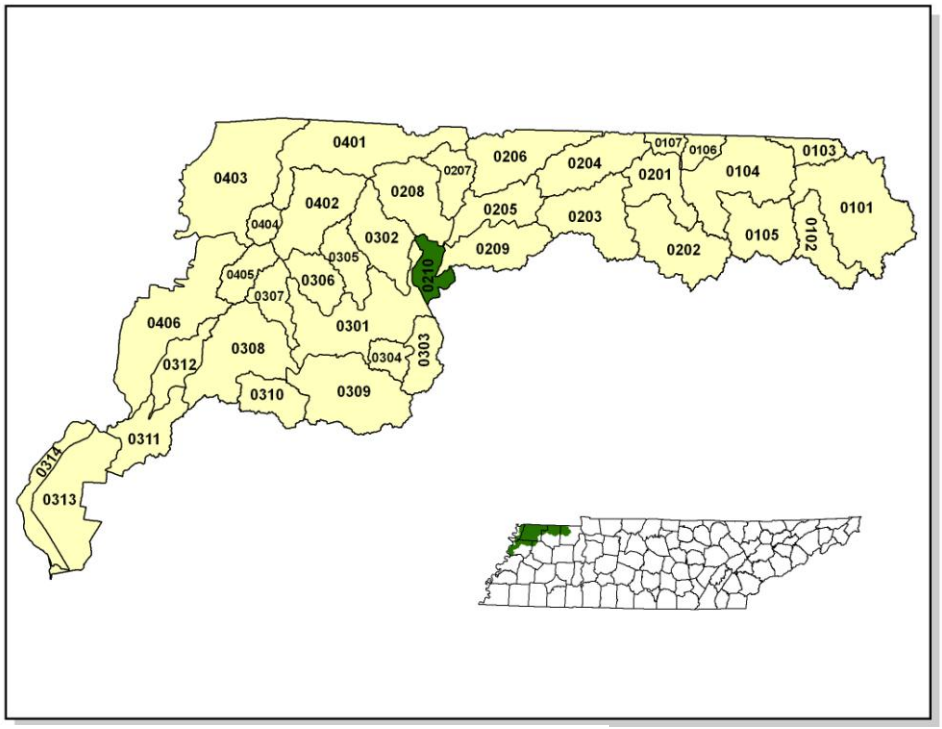

Figure 4-153. Location of Subwatershed 080102020210. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

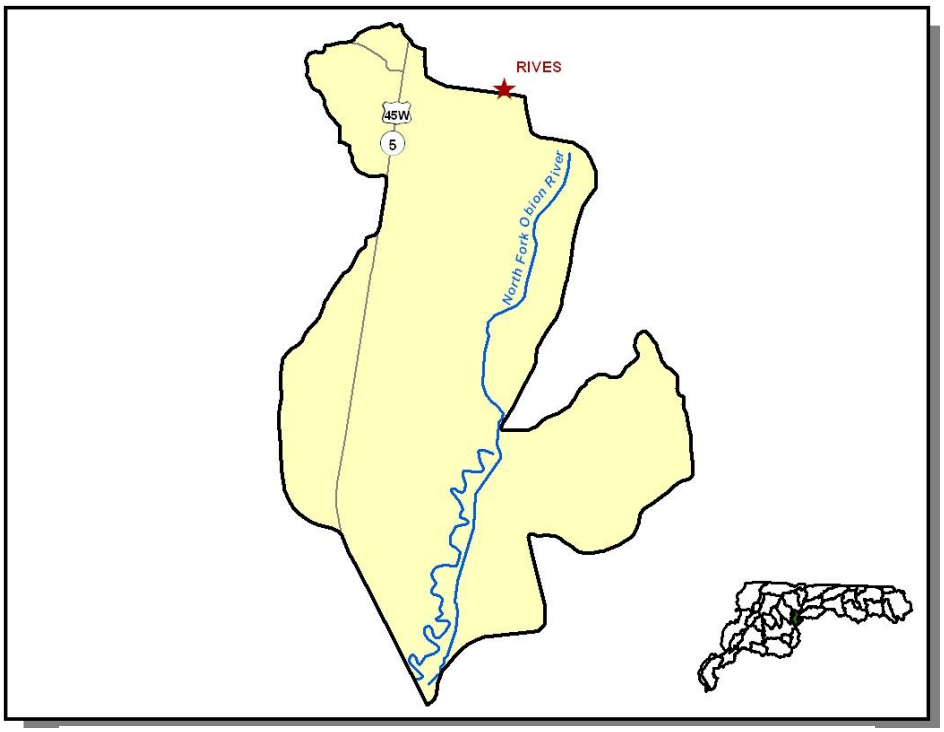

Figure 4-154. Locational Details of Subwatershed 080102020210.

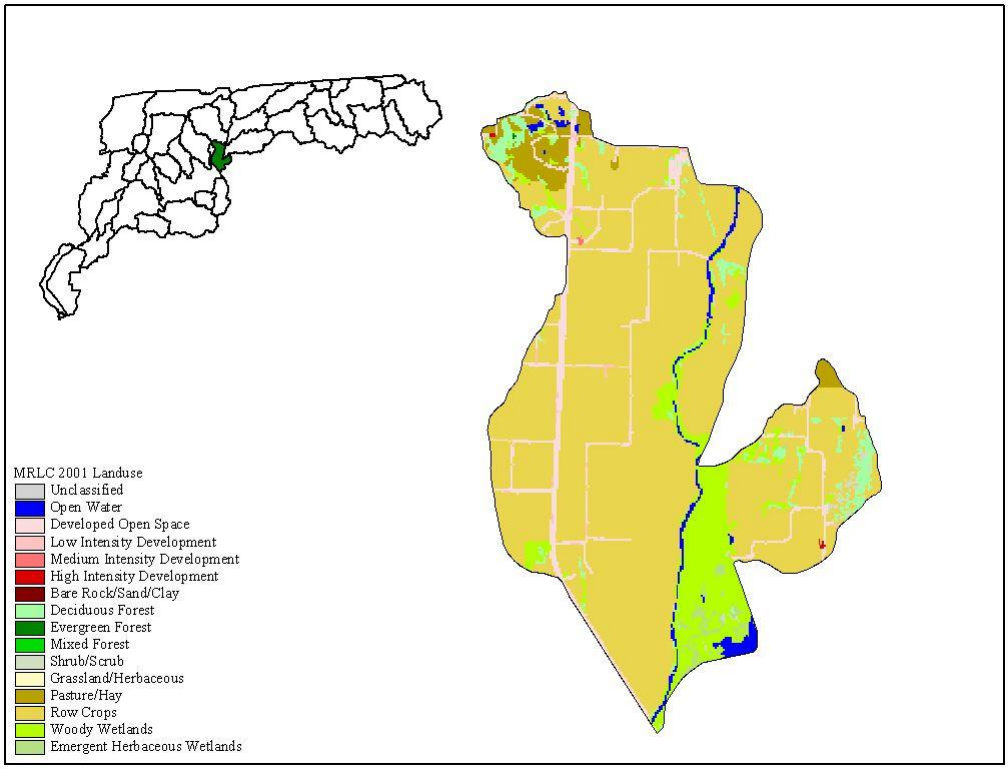

Figure 4-155. Illustration of Land Use Distribution in Subwatershed 080102020210.

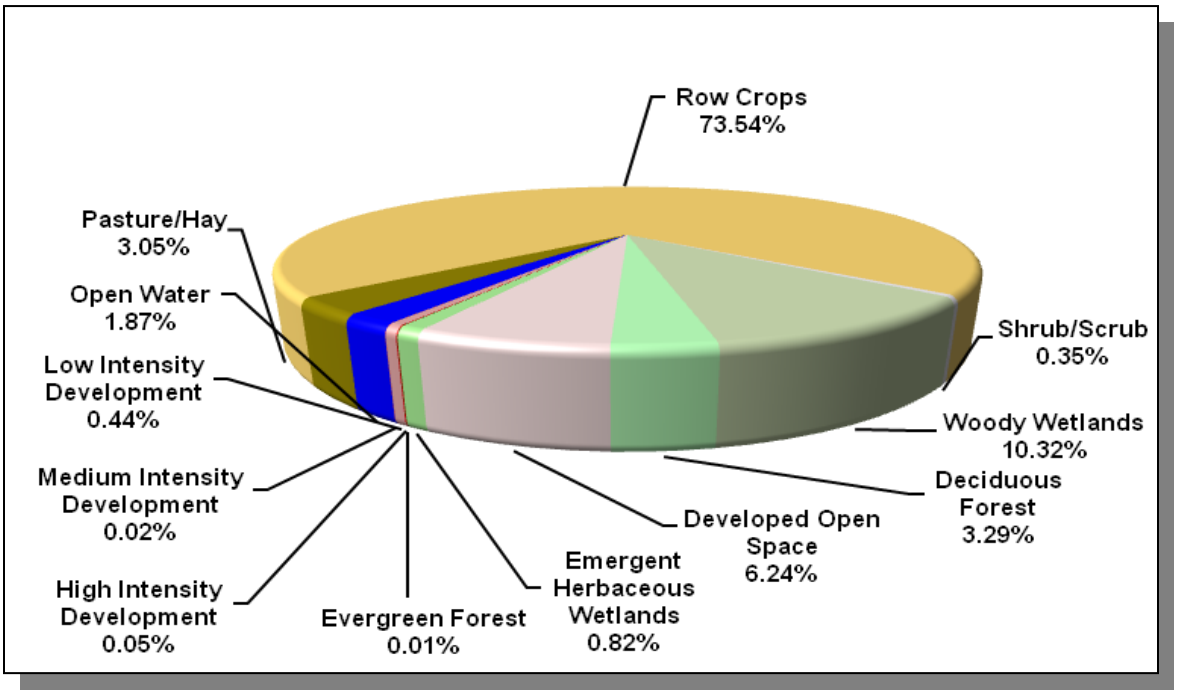

Figure 4-156. Land Use Distribution in Subwatershed 080102020210.

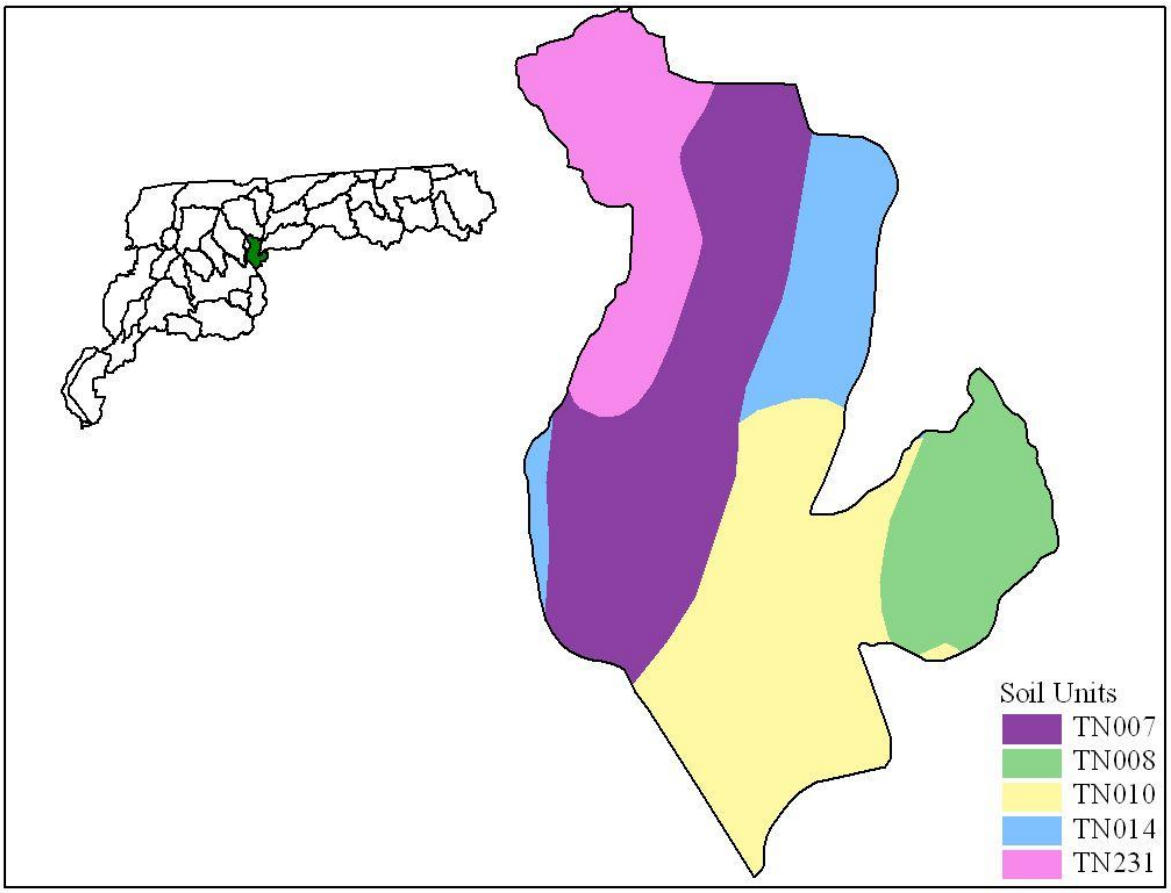

Figure 4-157. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020210.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-98. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020210. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	2.24	710	718	726	2.30

Table 4-99. Population Estimates in Subwatershed 080102020210.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Rives	Obion	357	154	139	12	3

Table 4-100. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020210.

4.2.Q.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020210.

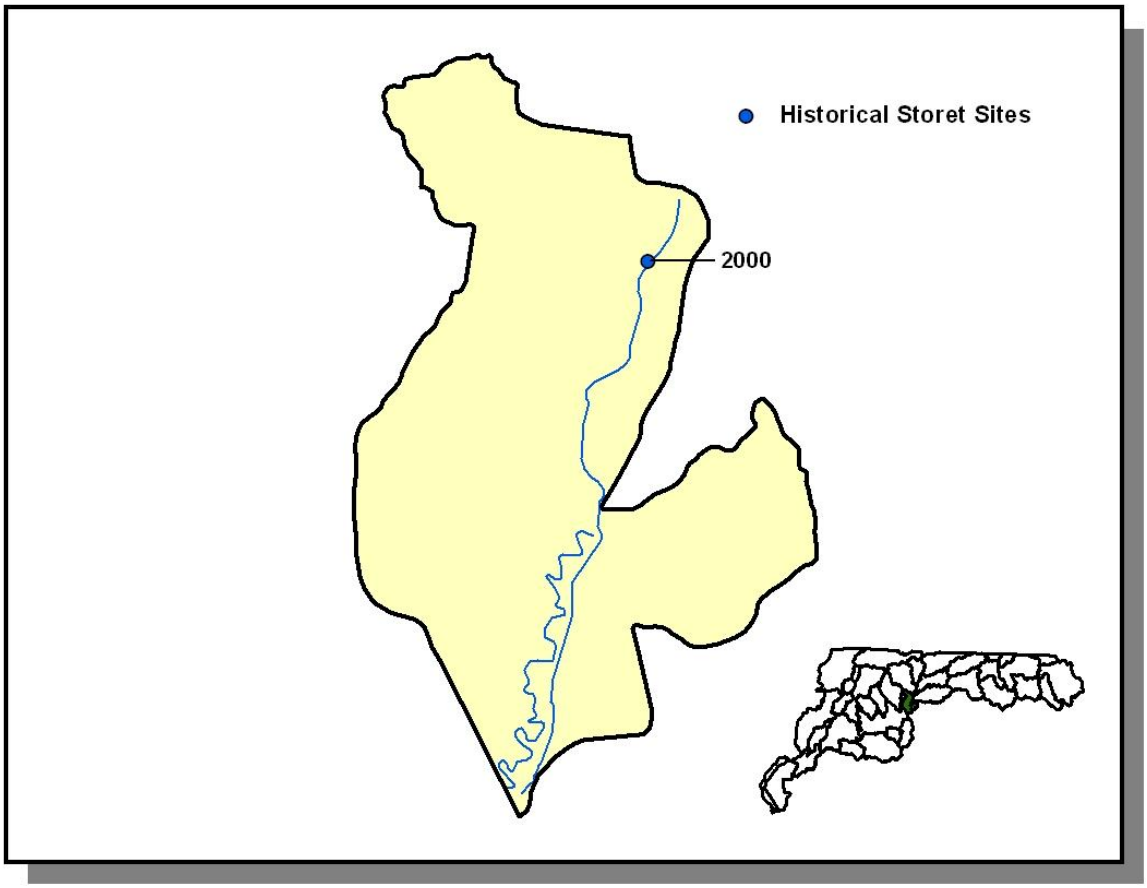

Figure 4-158. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020210. *More information, including site names and locations, is provided in Appendix IV.*

4.2.Q.iii. Permitted Activities.

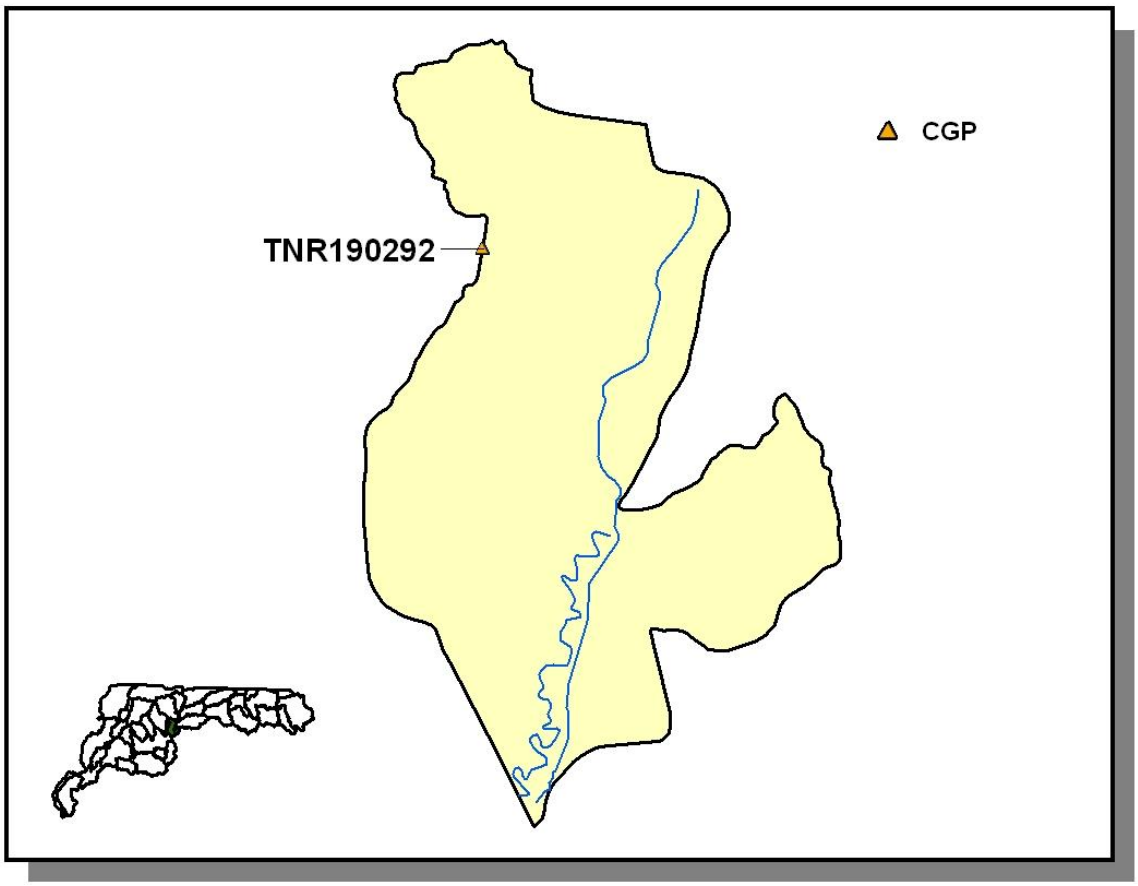

Figure 4-159. Location of Permits Issued in Subwatershed 080102020210. *CGP, Construction General Permit. More information, including the names of facilities, is provided in Appendix IV.*

4.2.Q.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-101. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-102. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-103. Annual Estimated Total Soil Loss in Subwatershed 080102020210.

4.2.R. 080102020301 (Obion River).

4.2.R.i. General Description.

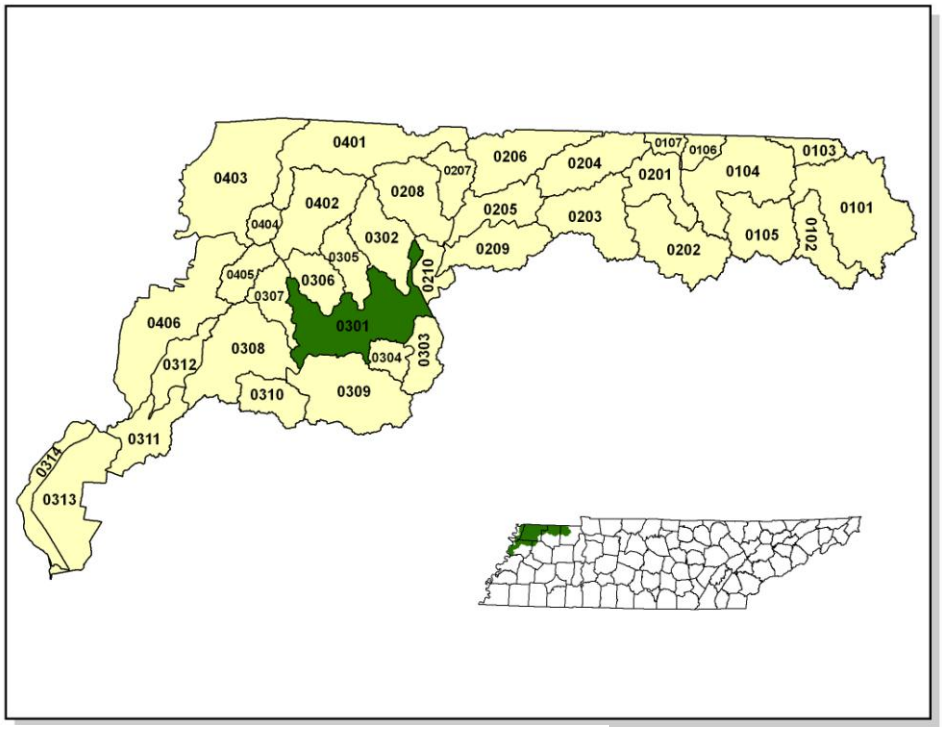

Figure 4-160. Location of Subwatershed 080102020301. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

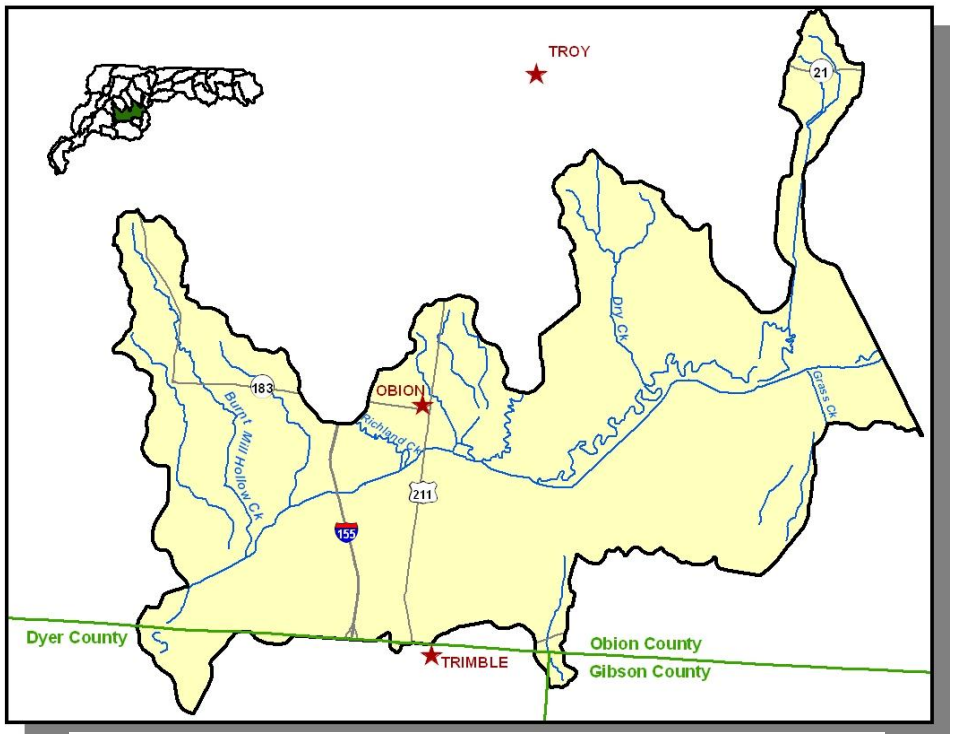

Figure 4-161. Locational Details of Subwatershed 080102020301.

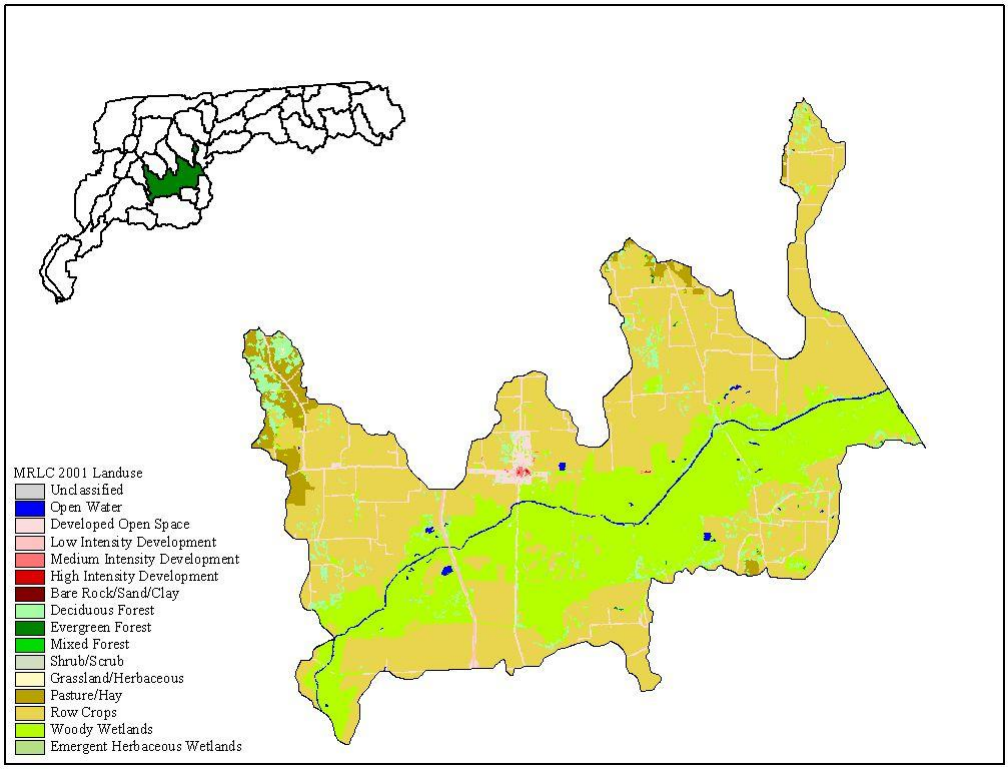

Figure 4-162. Illustration of Land Use Distribution in Subwatershed 080102020301.

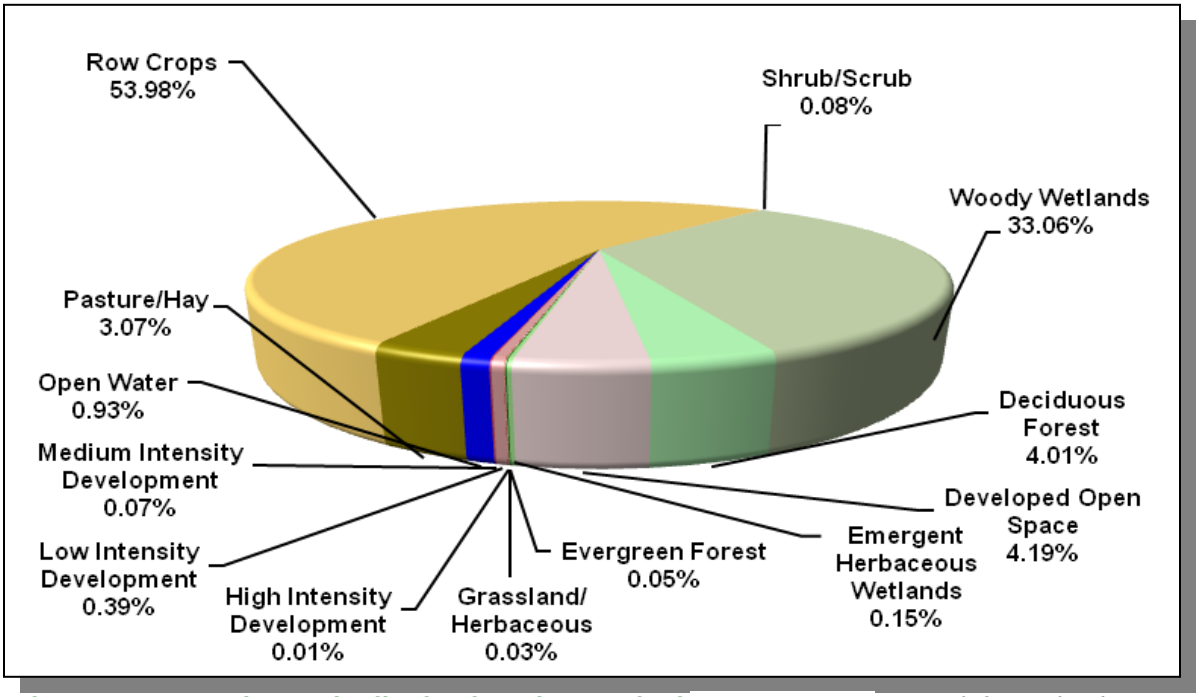

Figure 4-163. Land Use Distribution in Subwatershed 080102020301. *More information is provided in Appendix IV.*

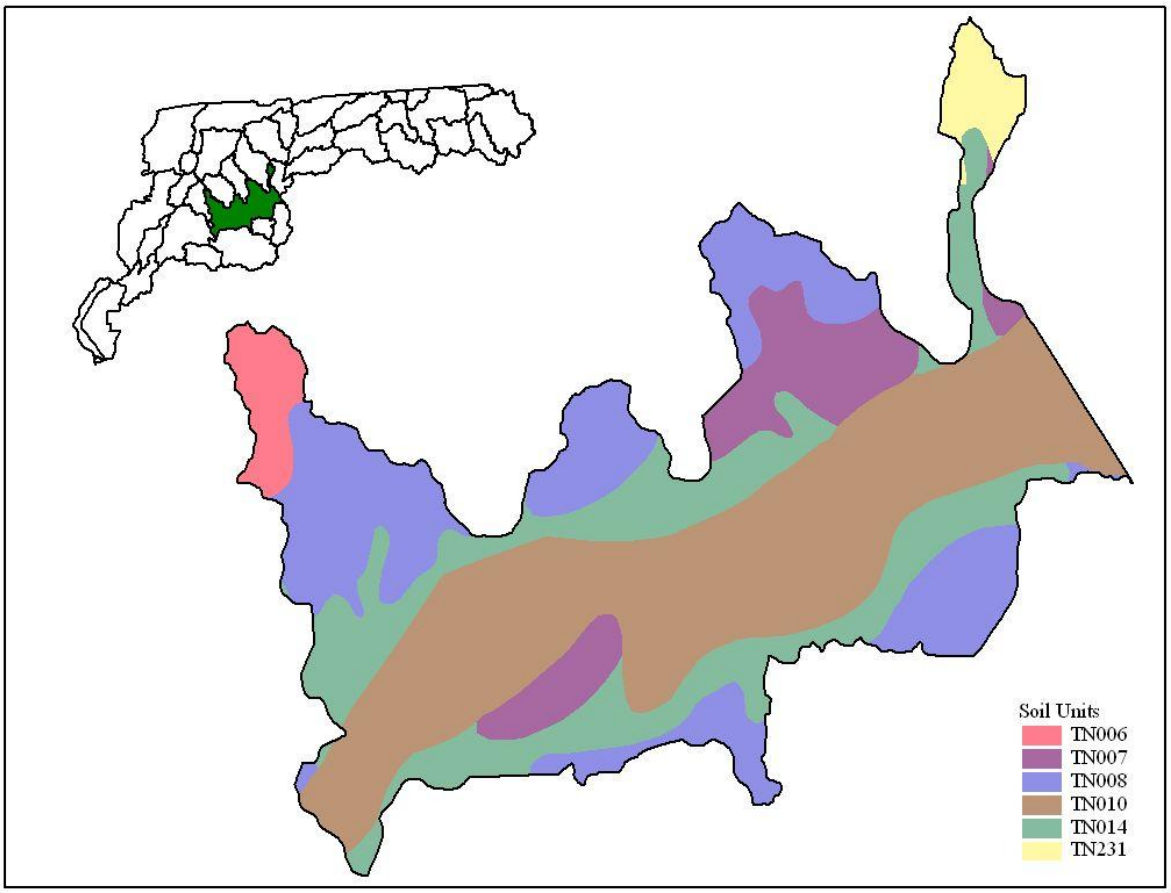

Figure 4-164. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020301.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-104. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020301. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	0.28	98	103	105	7.10
Gibson	46,315	48,083	48,152	0.03	16	17	17	6.30
Obion	31,717	32,069	32,450	10.32	3,272	3,308	3,348	2.30
Totals	**112,886**	**116,617**	**117,881**		**3,386**	**3,428**	**3,470**	**2.50**

Table 4-105. Population Estimates in Subwatershed 080102020301.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Obion	Obion	1,241	536	534	2	0
Trimble	Obion	695	306	295	11	0
Total		**1,936**	**842**	**829**	**13**	**0**

Table 4-106. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020301.

4.2.R.ii. USGS Gaging Stations and STORET Sites.

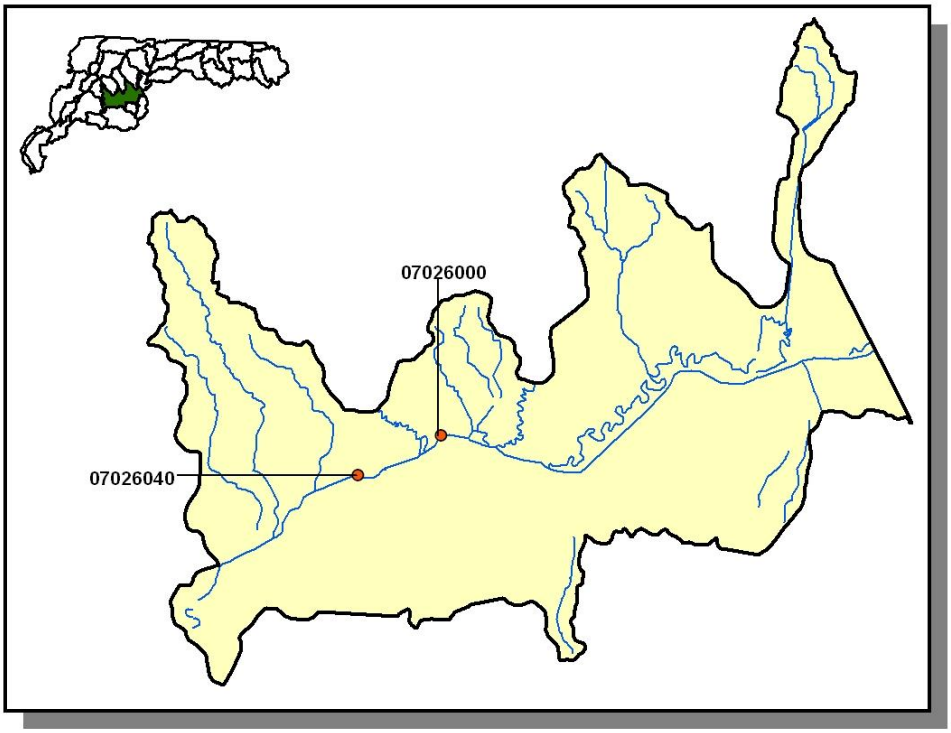

Figure 4-165. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020301. *More information is provided in Appendix IV.*

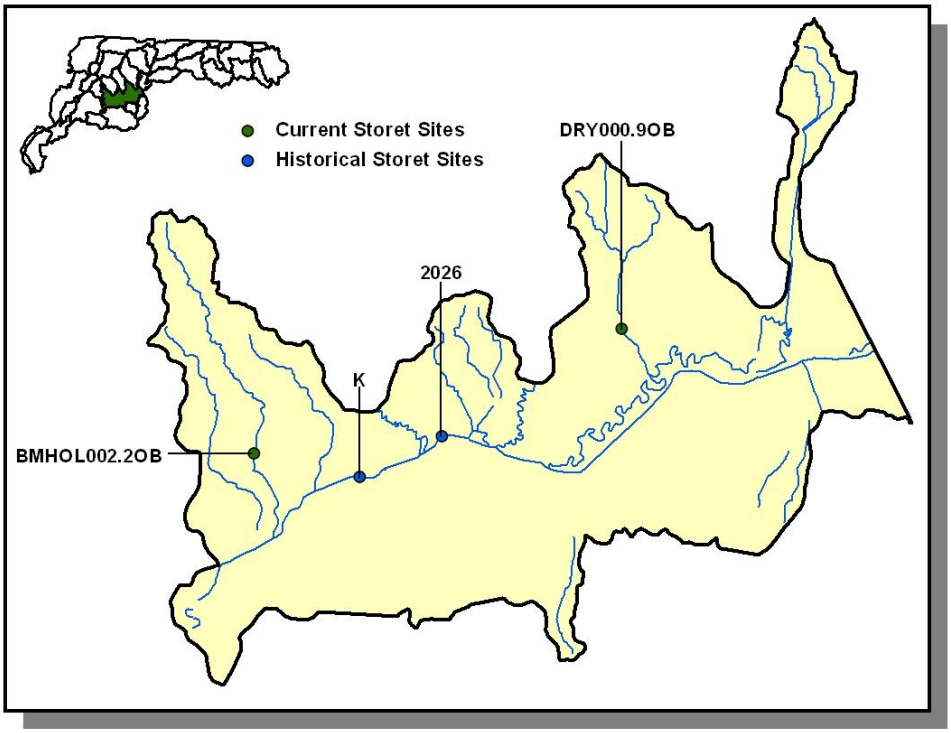

Figure 4-166. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020301. *More information, including site names and locations, is provided in Appendix IV.*

4.2.R.iii. Permitted Activities.

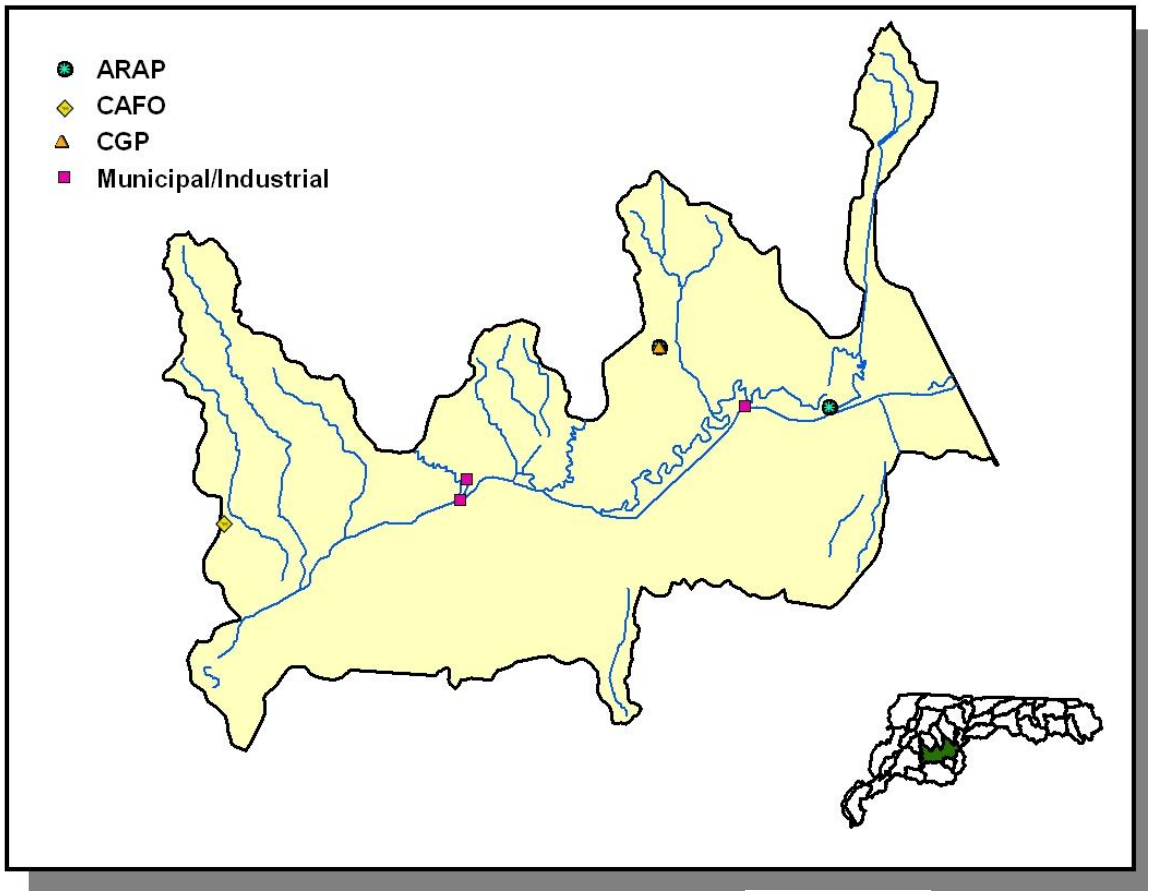

Figure 4-167. Location of Permits Issued in Subwatershed 080102020301. *More information, including the names of facilities, is provided in Appendix IV.*

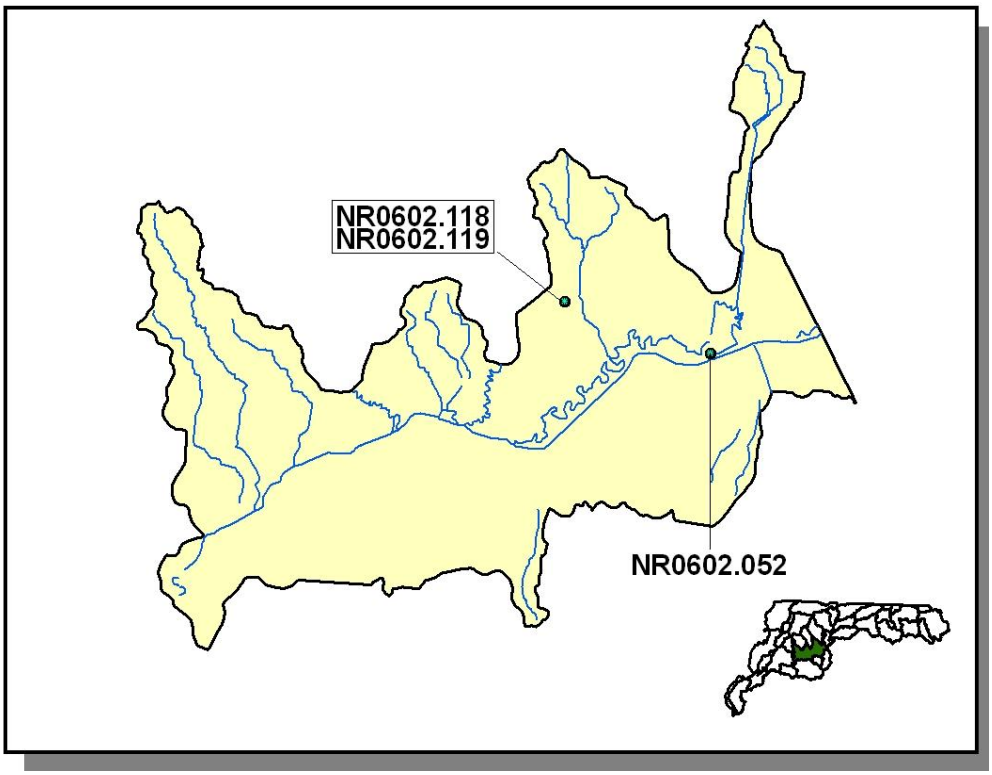

Figure 4-168. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020301. *More information is provided in Appendix IV.*

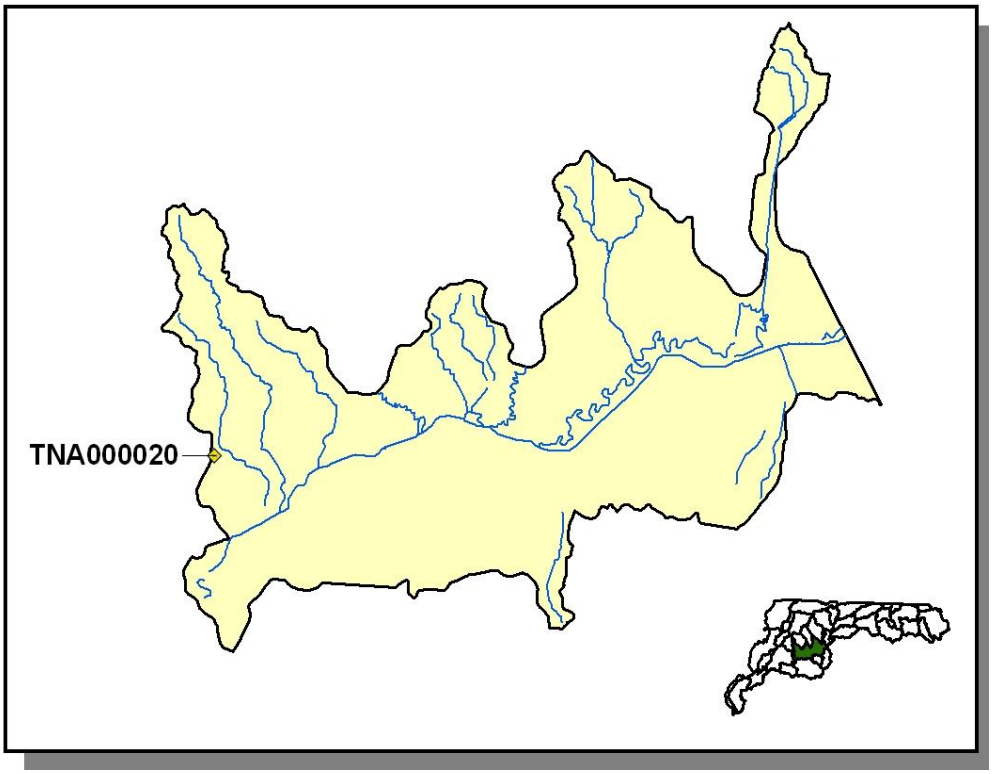

Figure 4-169. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020301. *More information, including the names of facilities, is provided in Appendix IV.*

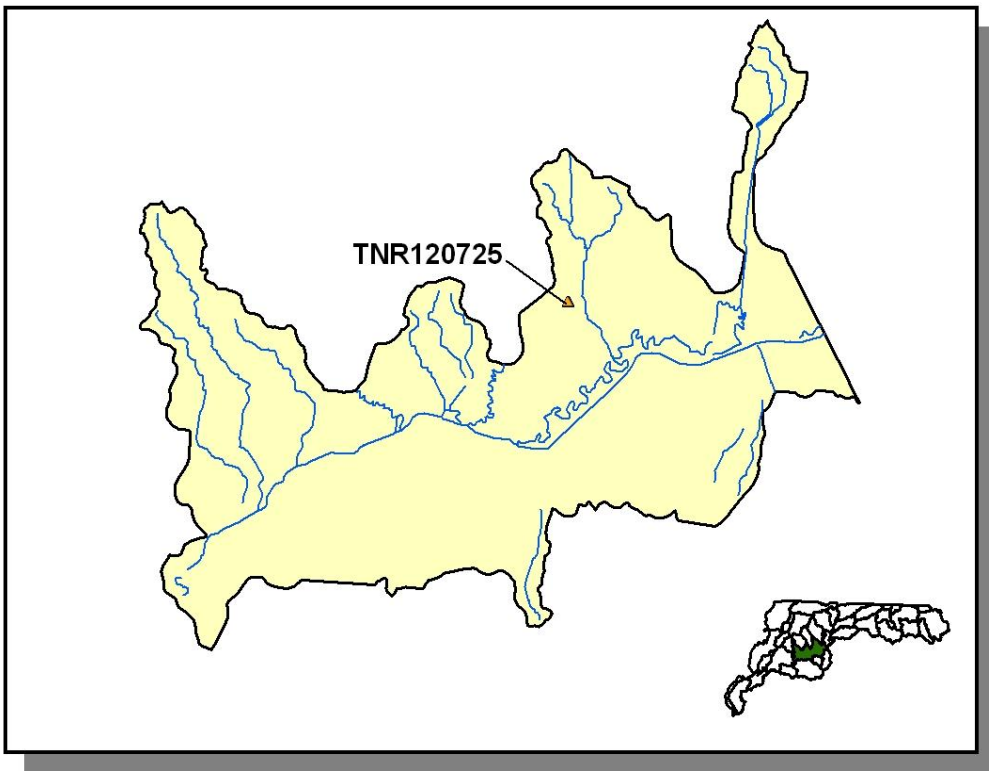

Figure 4-170. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020301. *More information is provided in Appendix IV.*

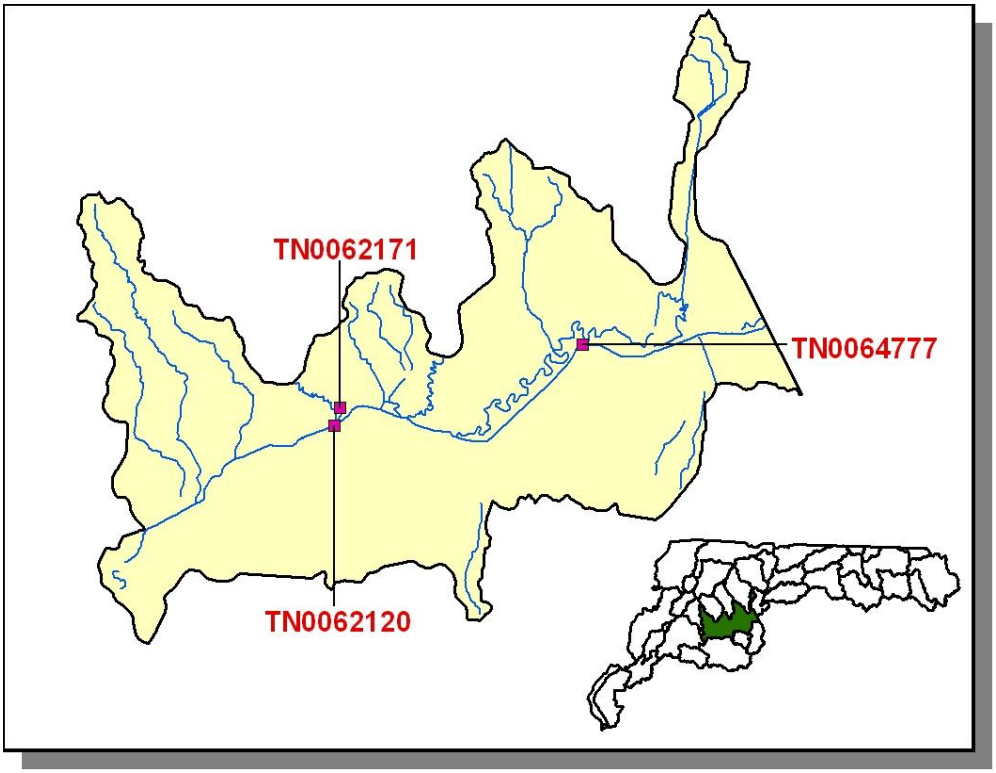

Figure 4-171. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020301. *Permit numbers in red indicate that the facility discharges to a stream listed on the 2006 303(d) list. More information, including the name of the facility is provided in Appendix IV.*

PERMIT #	7Q10	DISCHARGE FLOW
TN0062120	230.0	0.2
TN0062171	178.0	0.199
TN0064777	178.0	0.2

Table 4-107. Receiving Stream Flow Information Used for Limit Calculations for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020301. *Data are in million gallons per day (MGD).Data were obtained from permit files.*

PERMIT #	BOD_5	BOD % REMOVAL	DO	SS	TSS	pH	E. *coli*	FLOW	TRC
TN0062120	X	X	X	X	X	X		X	X
TN0062171	X	X	X	X	X	X	X	X	X
TN0064777	X	X	X	X	X	X	X	X	X

Table 4-108. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020301. *BOD_5, Biochemical Oxygen Demand (5-day); DO, Dissolved Oxygen; SS, Settleable Solids; TSS, Total Suspended Solids; TRC, Total Residual Chlorine.*

4.2.R.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Gibson	9,766	21,779	221	605	7,506	74
Obion	8,033	18,503	118	7	21,149	205

Table 4-109. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8

Table 4-110. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	13.87
Wheat (Close Grown Cropland)	9.63
Soybeans (Row Crops)	7.99
Cotton (Row Crops)	5.77
Corn (Row Crops)	4.47
Oats (Close Grown Cropland)	3.34
Sorghum (Row Crops)	2.85
Conservation Reserve Program Land	1.88
Other Land in Farms	1.34
Grass Forbs Legumes Mixed (Pastureland)	0.84
Grass (Pastureland)	0.70
Grass (Hayland)	0.47
Farmsteads and Ranch Headquarters	0.19

Table 4-111. Annual Estimated Total Soil Loss in Subwatershed 080102020301.

4.2.S. 080102020302 (Davidson Creek).

4.2.S.i. General Description.

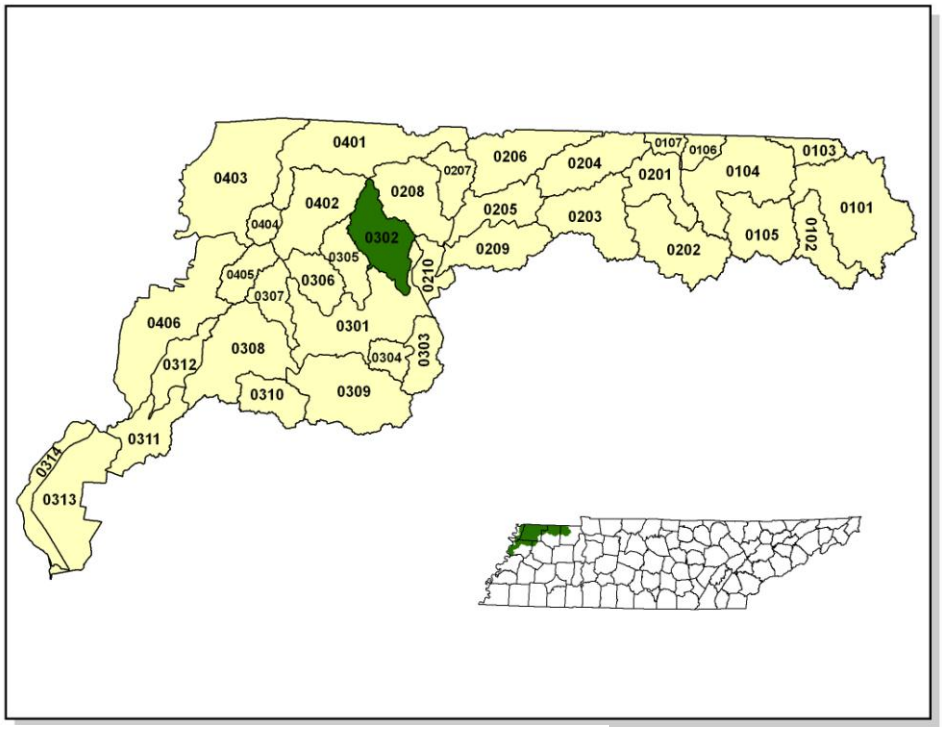

Figure 4-172. Location of Subwatershed 080102020302. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

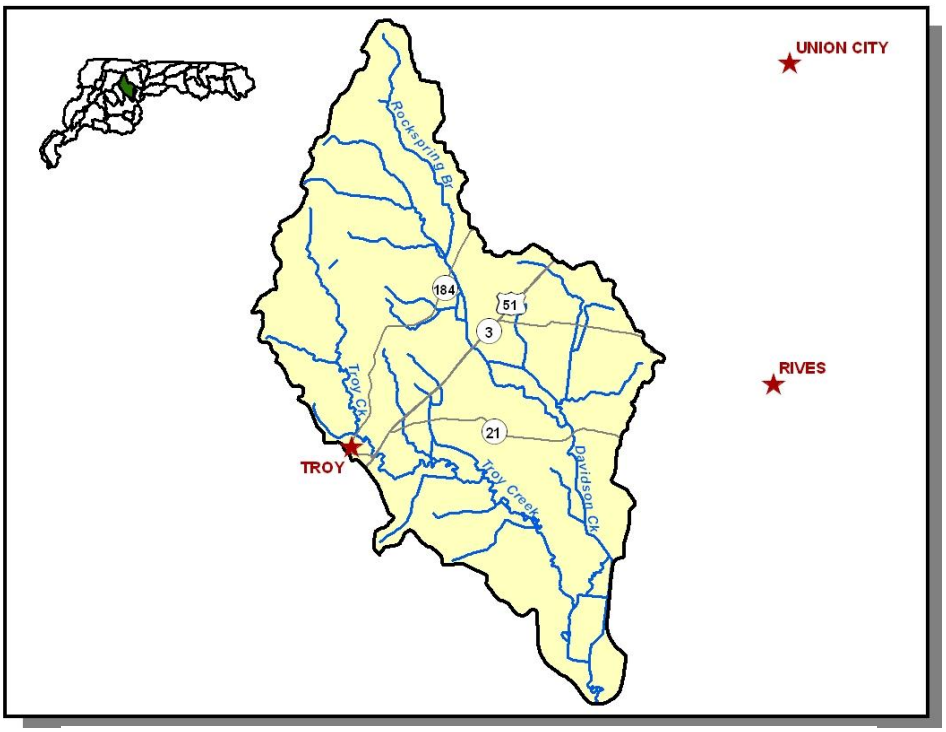

Figure 4-173. Locational Details of Subwatershed 080102020302.

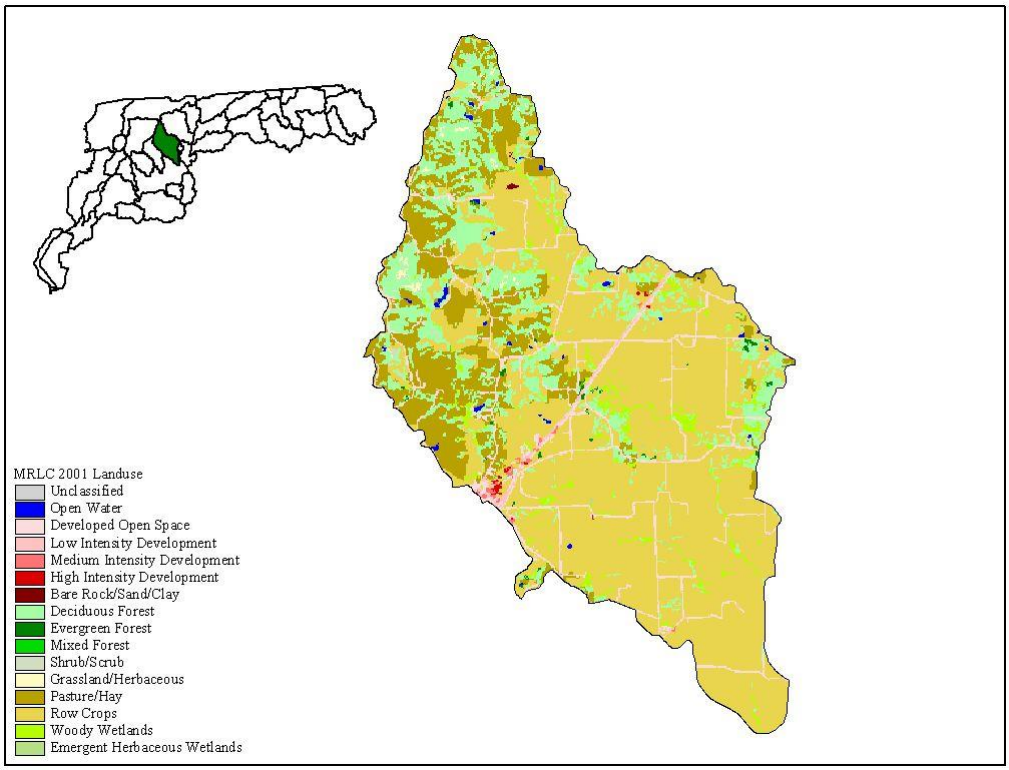

Figure 4-174. Illustration of Land Use Distribution in Subwatershed 080102020302.

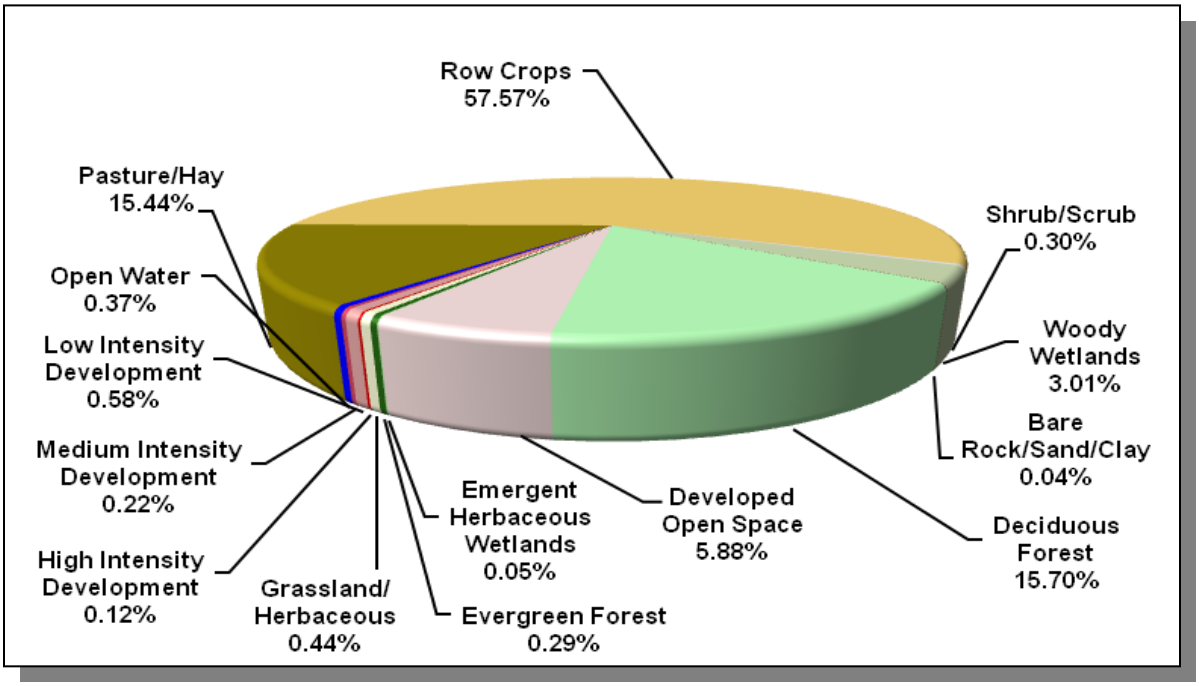

Figure 4-175. Land Use Distribution in Subwatershed 080102020302. *More information is provided in Appendix IV.*

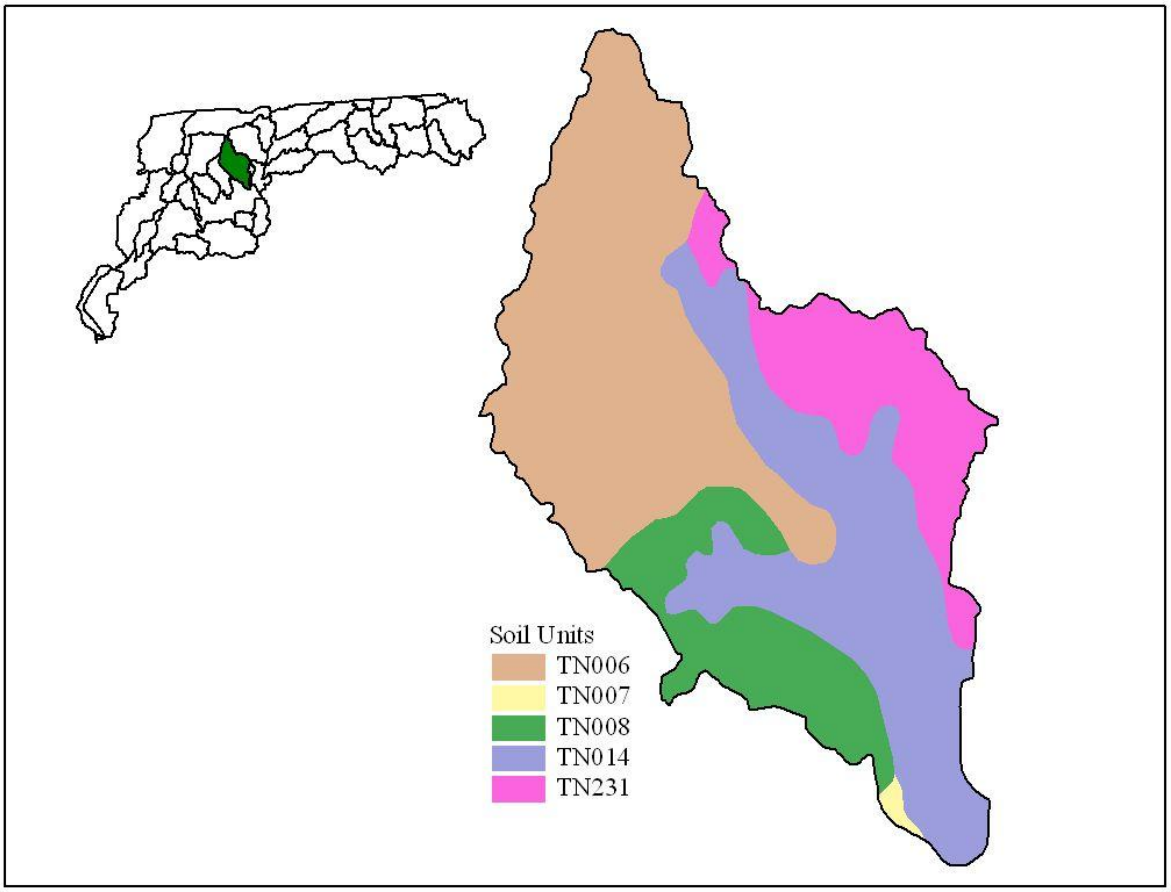

Figure 4-176. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020302.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN231	8.00	C	1.30	5.21	Silty Loam	0.48

Table 4-112. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020302. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	5.36	1,699	1,717	1,738	2.30

Table 4-113. Population Estimates in Subwatershed 080102020302.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Troy	Obion	1,033	451	423	28	0

Table 4-114. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020302.

4.2.S.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020302.

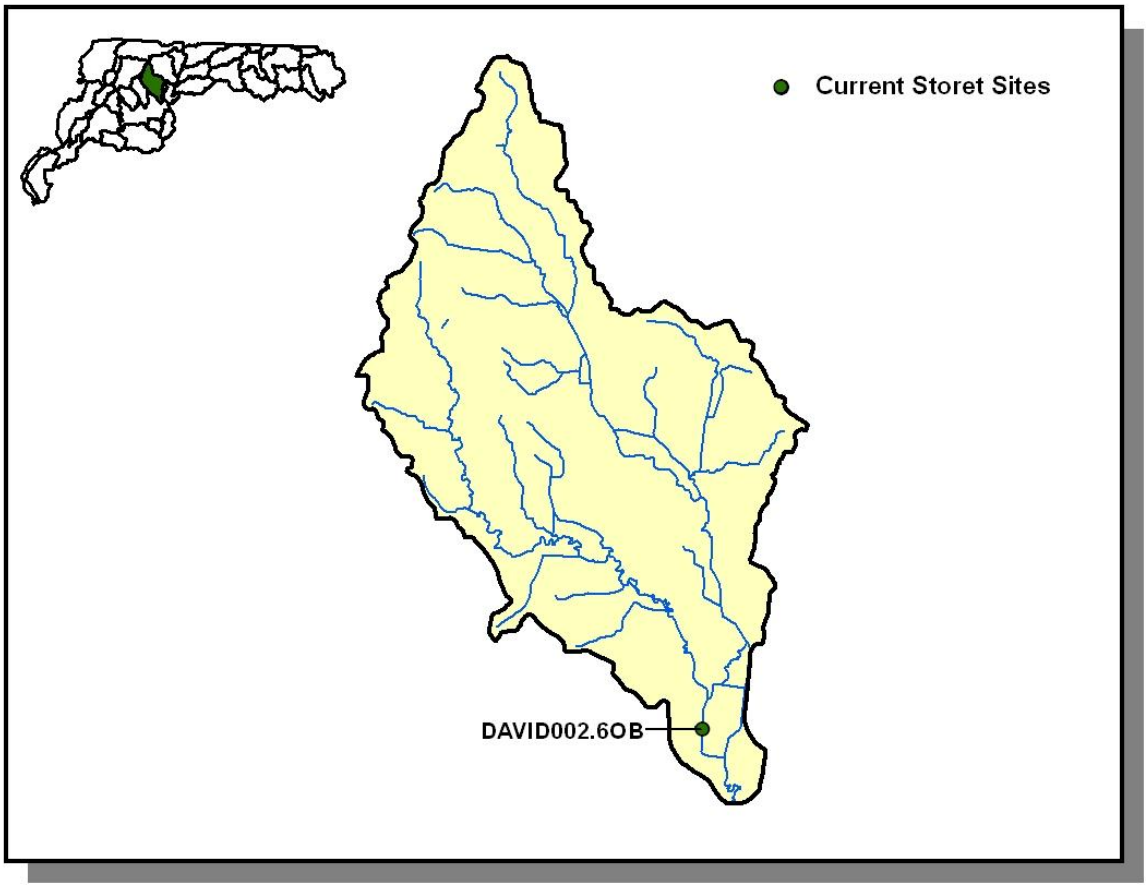

Figure 4-177. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020302. *More information, including site names and locations, is provided in Appendix IV.*

4.2.S.iii. Permitted Activities.

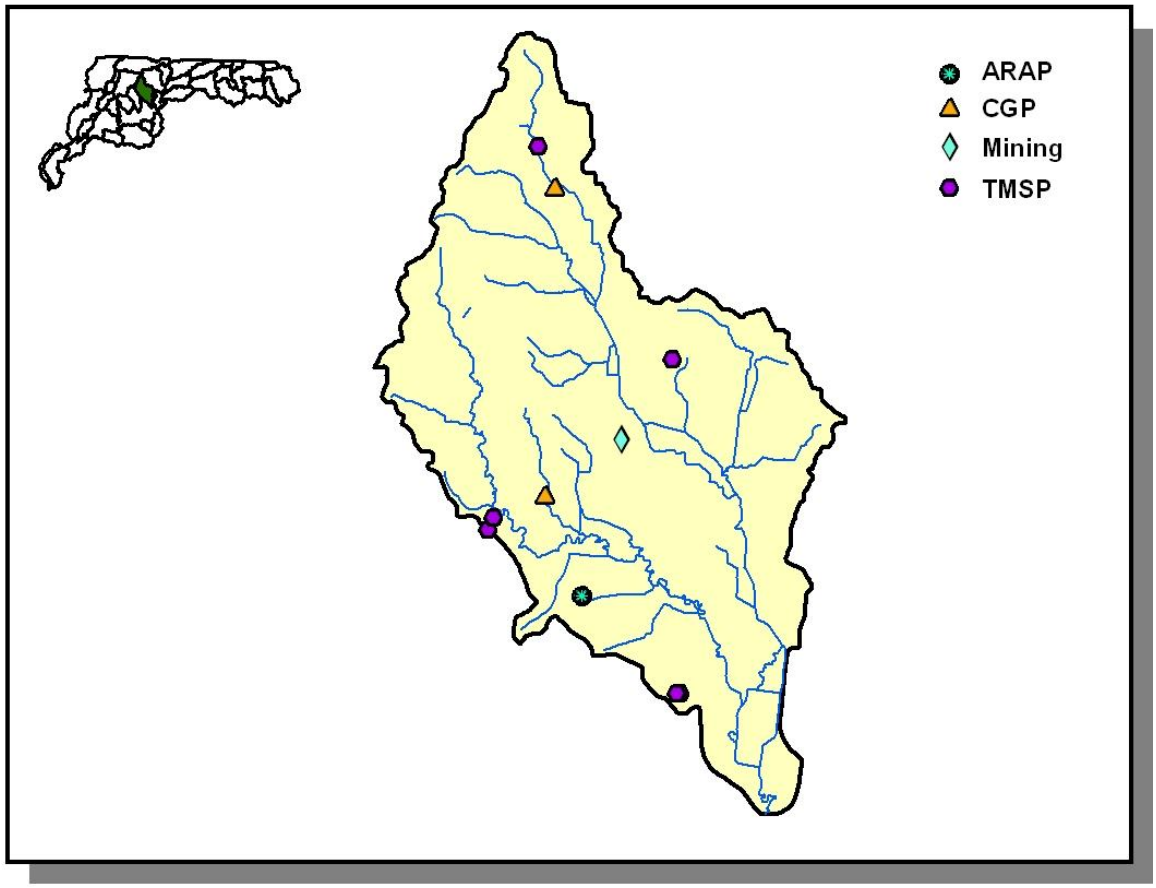

Figure 4-178. Location of Permits Issued in Subwatershed 080102020302. *More information, including the names of facilities, is provided in Appendix IV.*

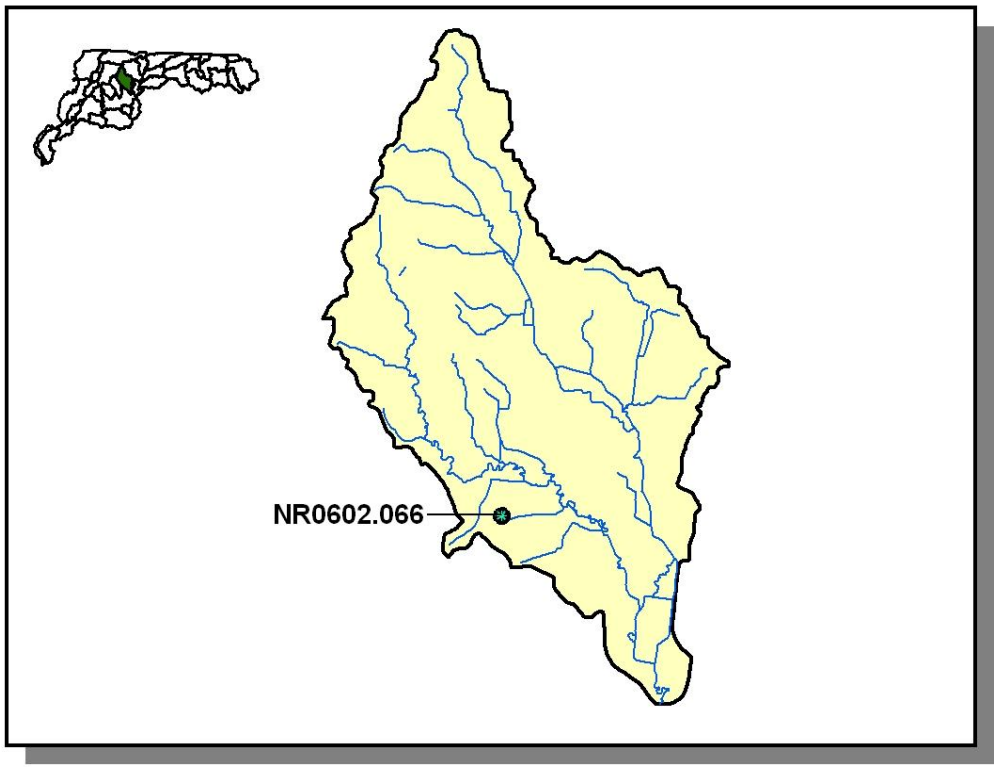

Figure 4-179. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020302. *More information is provided in Appendix IV.*

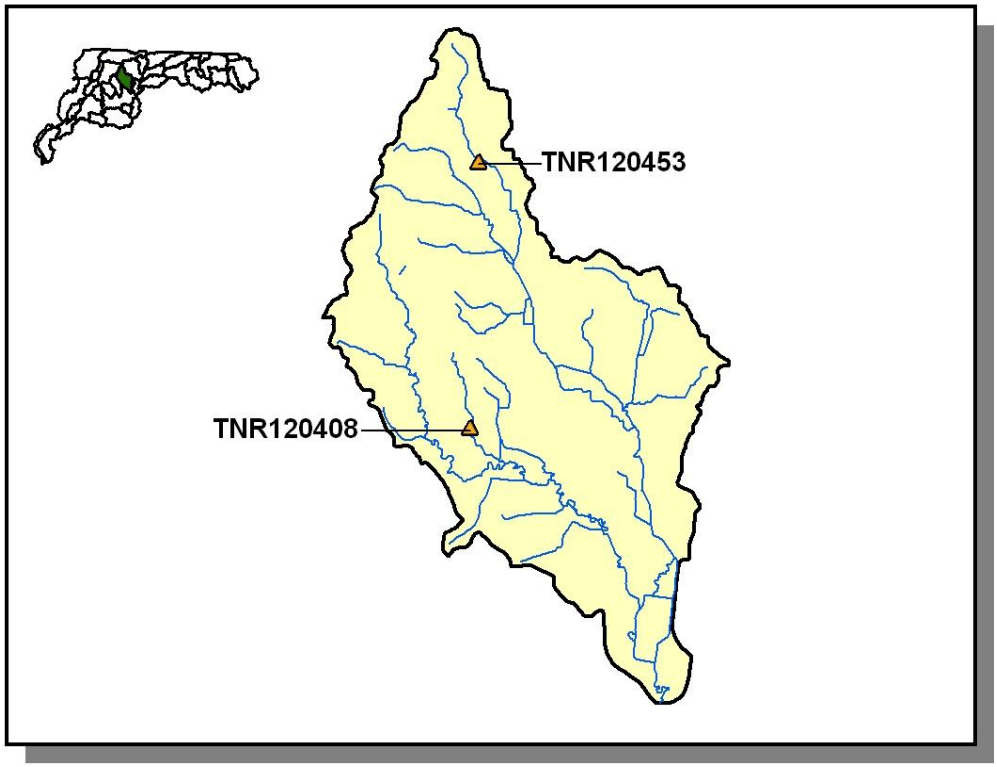

Figure 4-180. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020302. *More information is provided in Appendix IV.*

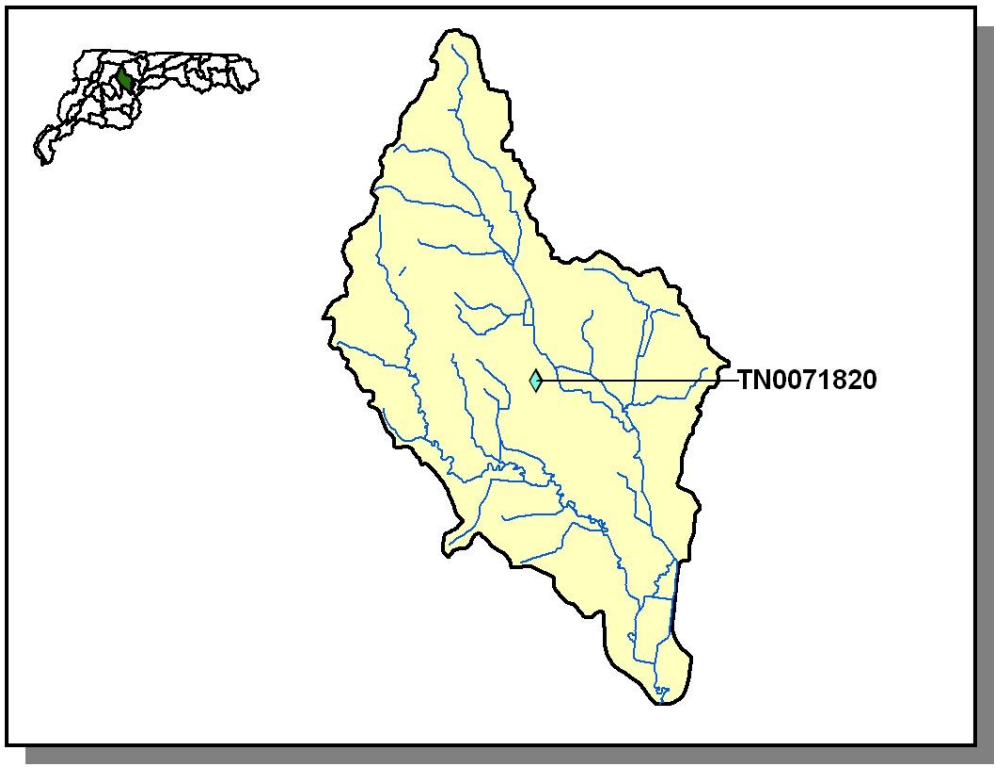

Figure 4-181. Location of Permitted Mining Facilities in Subwatershed 080102020302. *More information is provided in Appendix IV.*

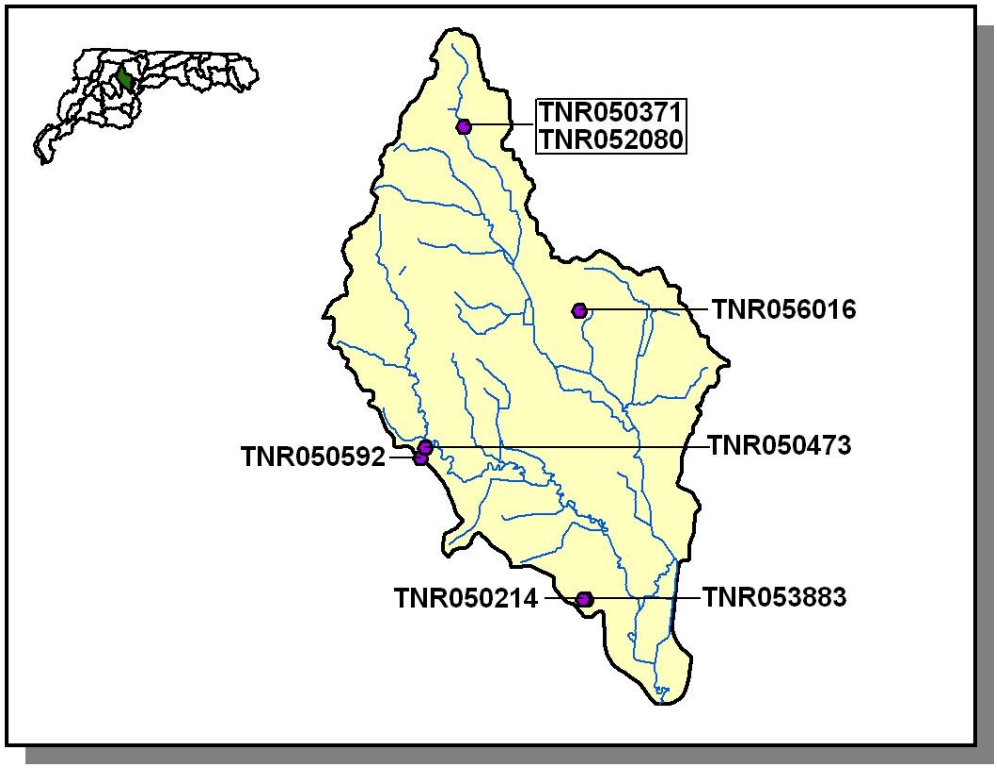

Figure 4-182. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020302. *More information is provided in Appendix IV.*

4.2.S.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-115. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-116. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-117. Annual Estimated Total Soil Loss in Subwatershed 080102020302.

4.2.T. 080102020303 (Grass Creek).

4.2.T.i. General Description.

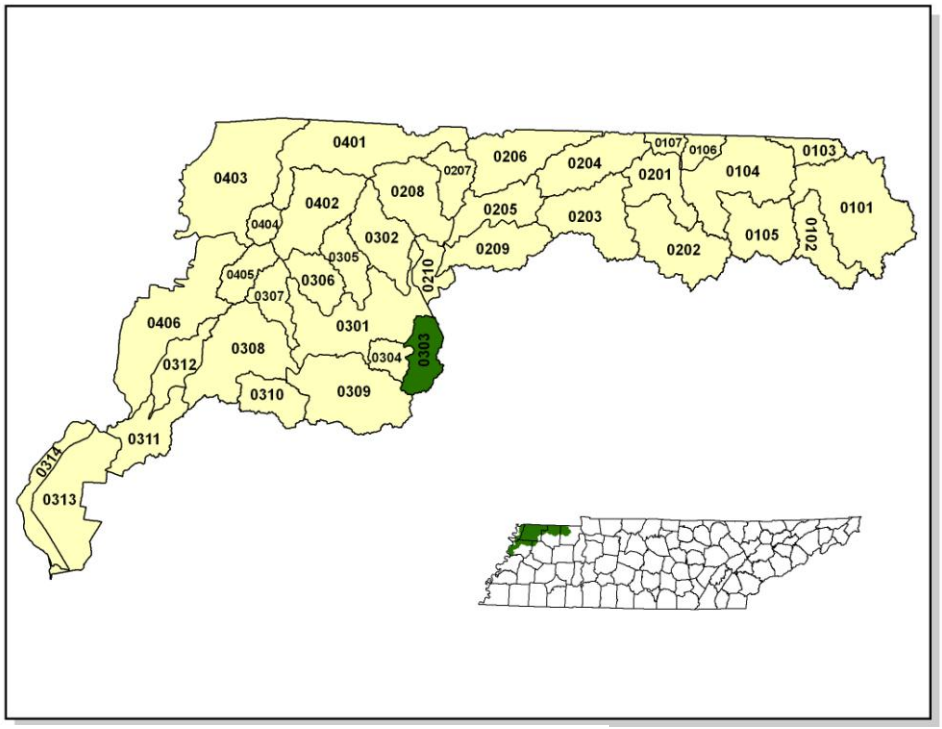

Figure 4-183. Location of Subwatershed 080102020303. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

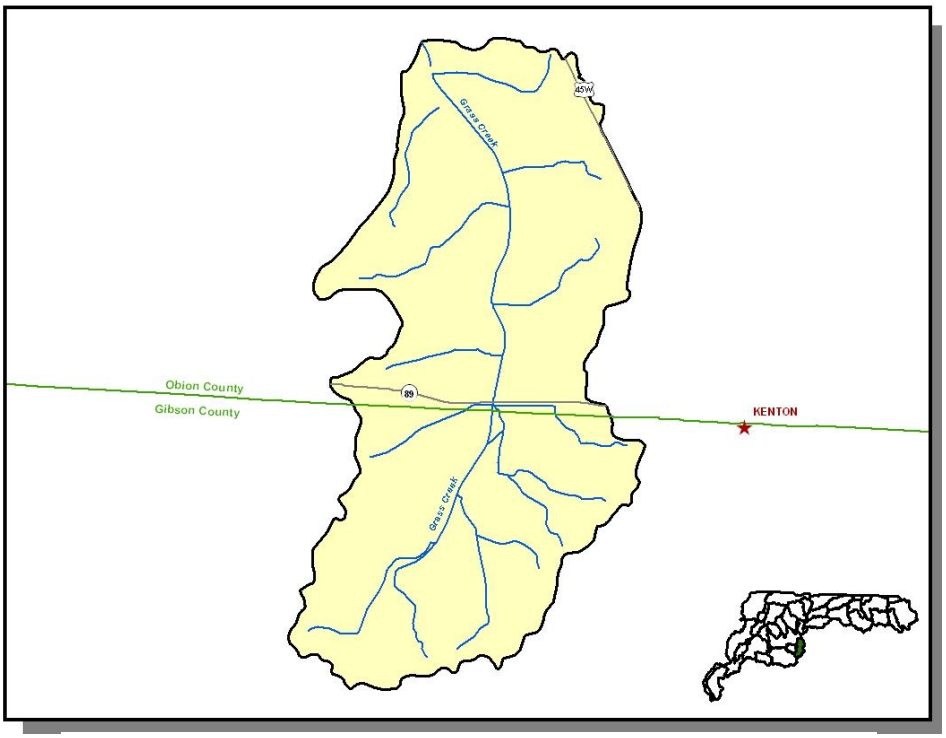

Figure 4-184. Locational Details of Subwatershed 080102020303.

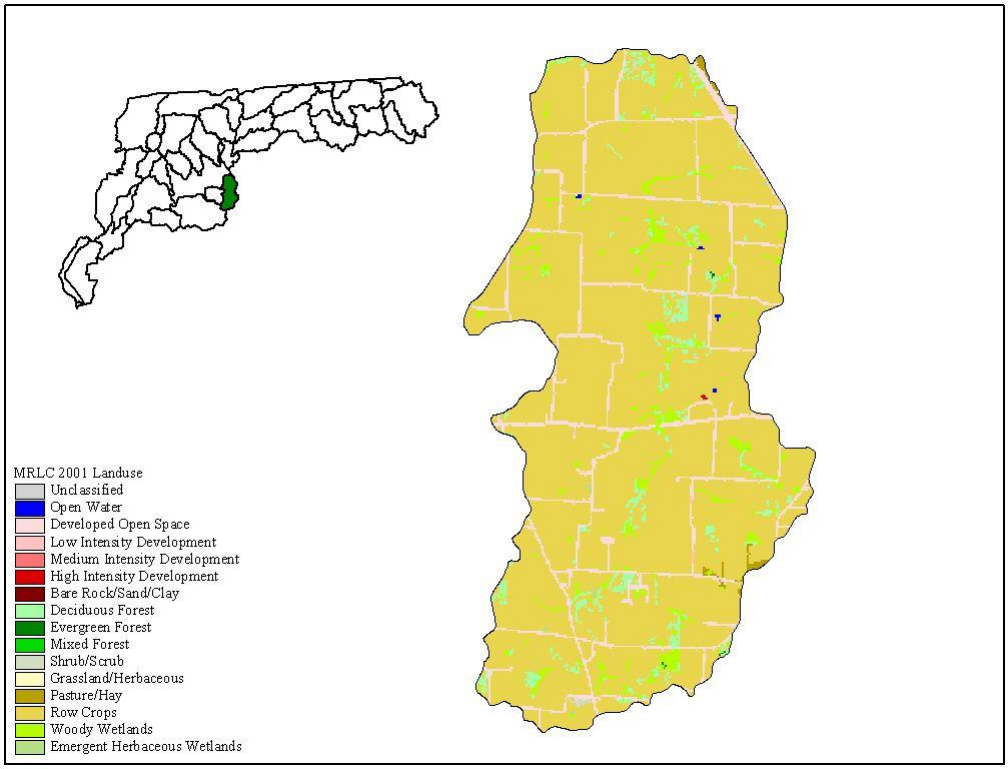

Figure 4-185. Illustration of Land Use Distribution in Subwatershed 080102020303.

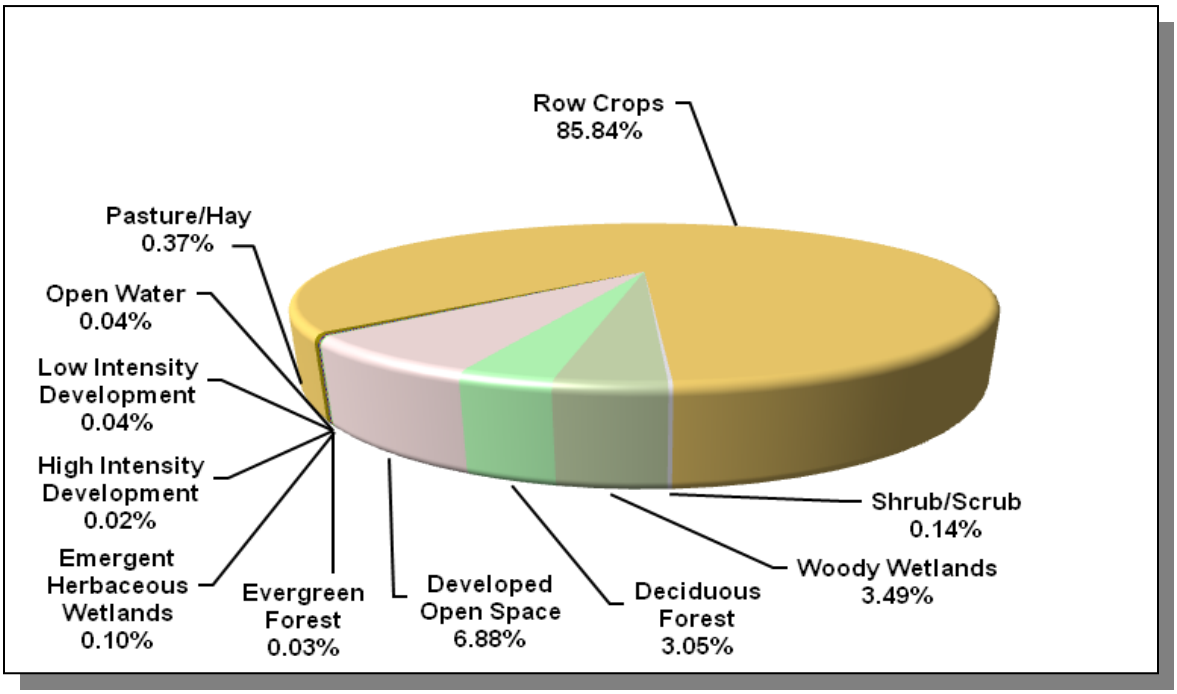

Figure 4-186. Land Use Distribution in Subwatershed 080102020303. *More information is provided in Appendix IV.*

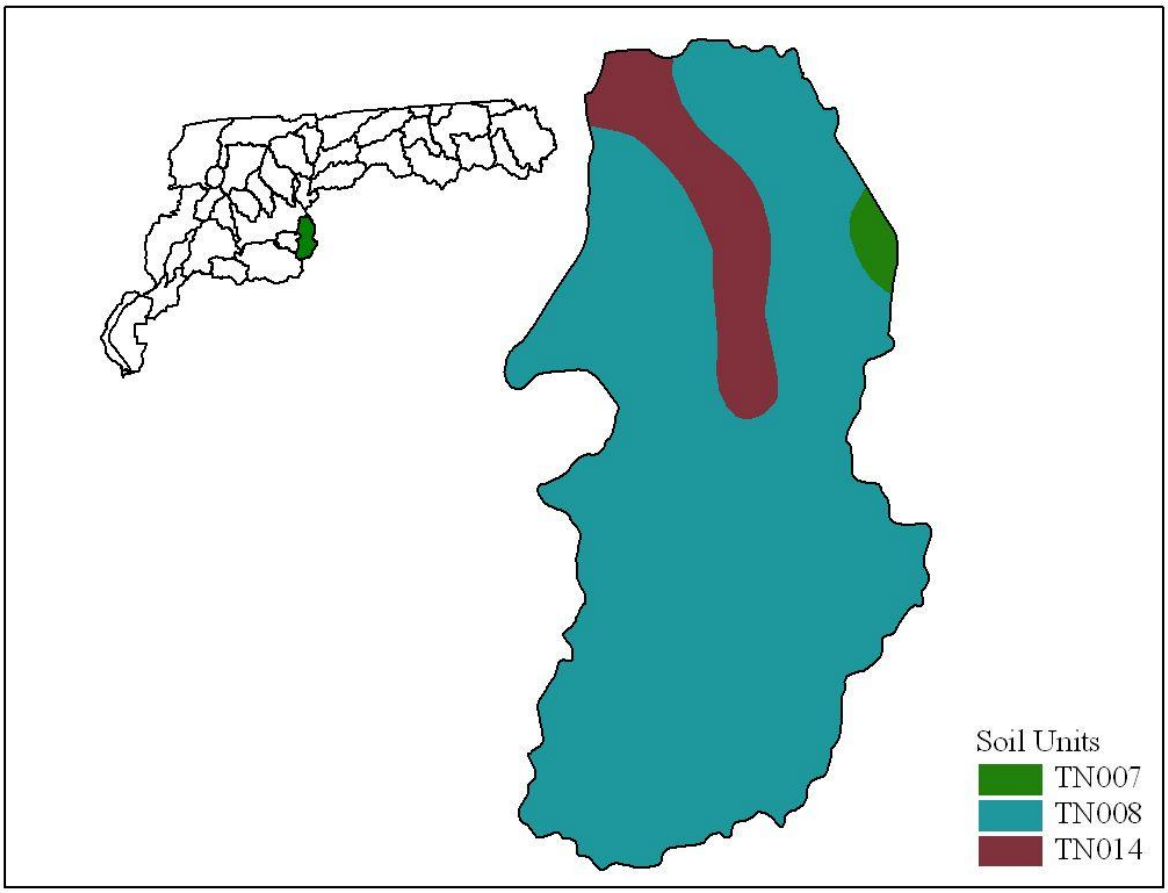

Figure 4-187. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020303

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-118. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020303. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Gibson	46,315	48,083	48,152	1.29	599	622	623	4.00
Obion	31,717	32,069	32,450	1.71	544	550	556	2.20
Totals	**78,032**	**80,152**	**80,602**		**1,143**	**1,172**	**1,179**	**3.10**

Table 4-119. Population Estimates in Subwatershed 080102020303.

4.2.T.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020303.

4.2.T.iii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020303 as of June 30th, 2007.

4.2.T.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Gibson	9,766	21,779	221	605	7,506	74
Obion	8,033	18,503	118	7	21,149	205

Table 4-120. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Gibson	36.4	36.4	2.0	8.6
Obion	67.6	67.6	4.4	20.8

Table 4-121. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Cotton (Row Crops)	10.86
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.29
Other Cropland not Planted	8.13
Corn (Row Crops)	7.65
Sorghum (Row Crops)	4.37
Other Land in Farms	1.34
Conservation Reserve Program Land	1.27
Grass Forbs Legumes Mixed (Pastureland)	0.87
Grass (Pastureland)	0.50
Grass (Hayland)	0.42
Farmsteads and Ranch Headquarters	0.25
Legume (Pastureland)	0.07

Table 4-122. Annual Estimated Total Soil Loss in Subwatershed 080102020303.

4.2.U. 080102020304 (Dillard Creek).

4.2.U.i. General Description.

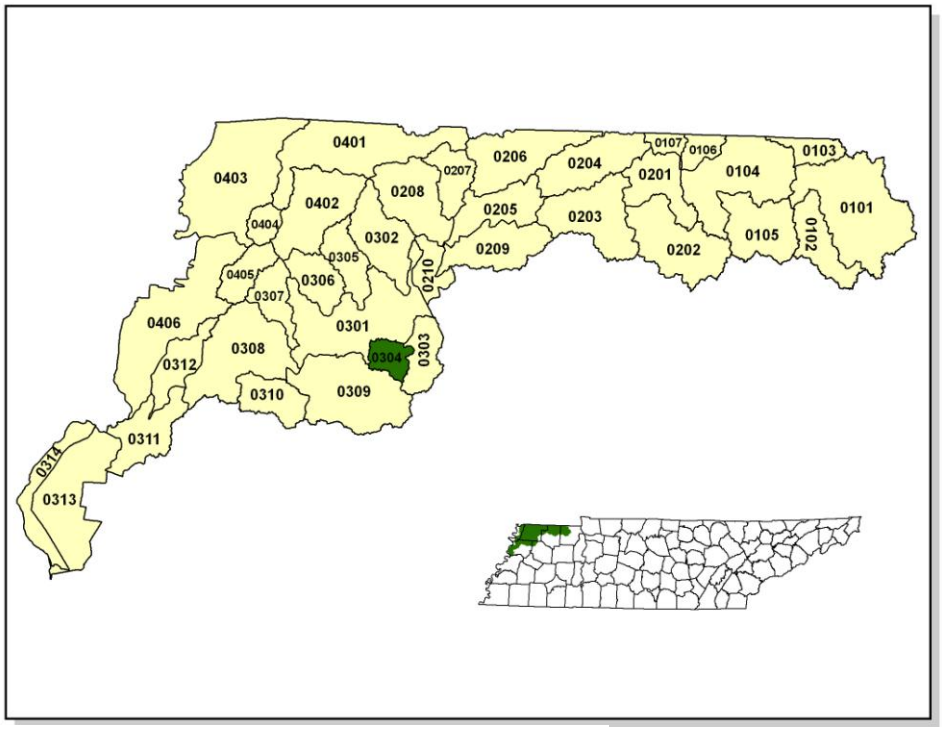

Figure 4-188. Location of Subwatershed 080102020304. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

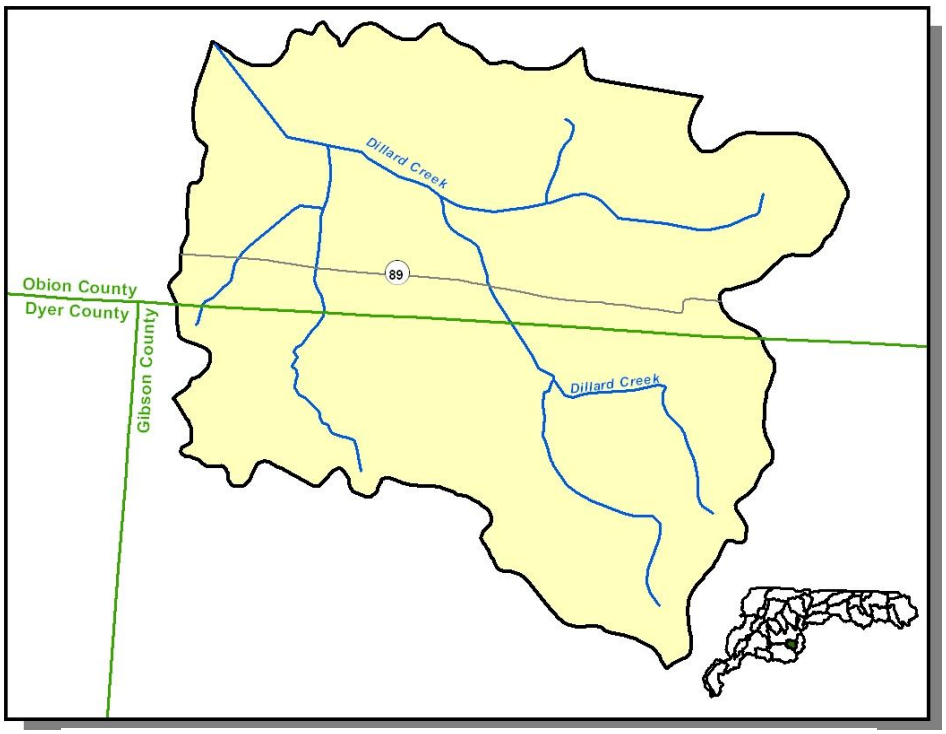

Figure 4-189. Locational Details of Subwatershed 080102020304.

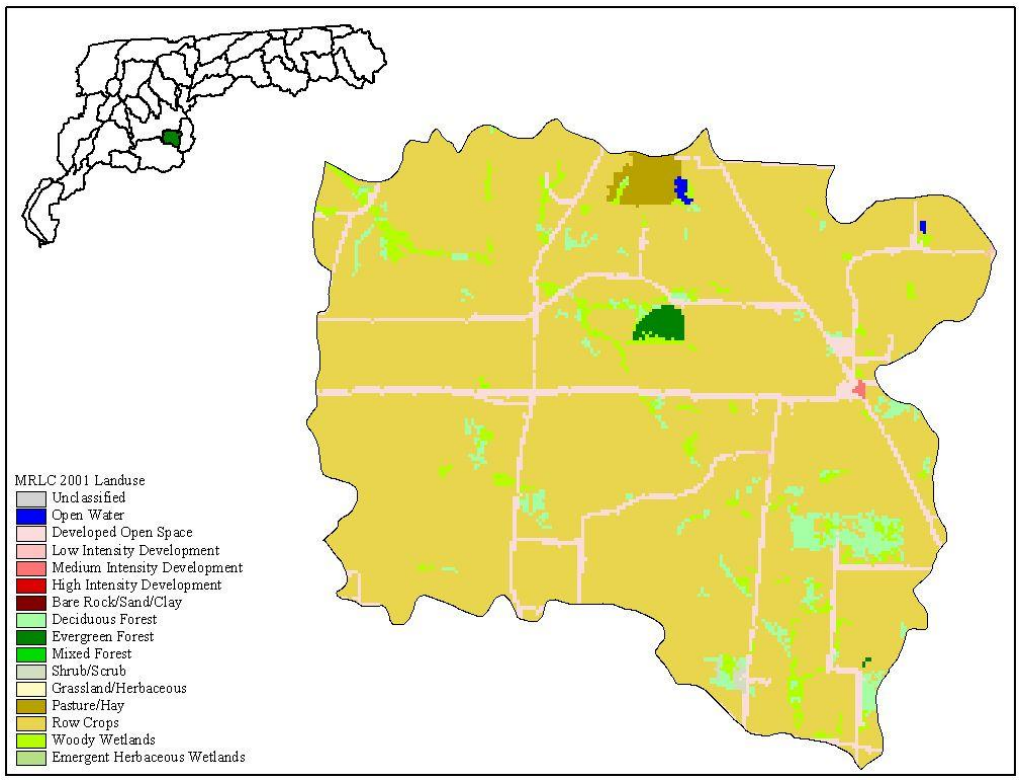

Figure 4-190. Illustration of Land Use Distribution in Subwatershed 080102020304.

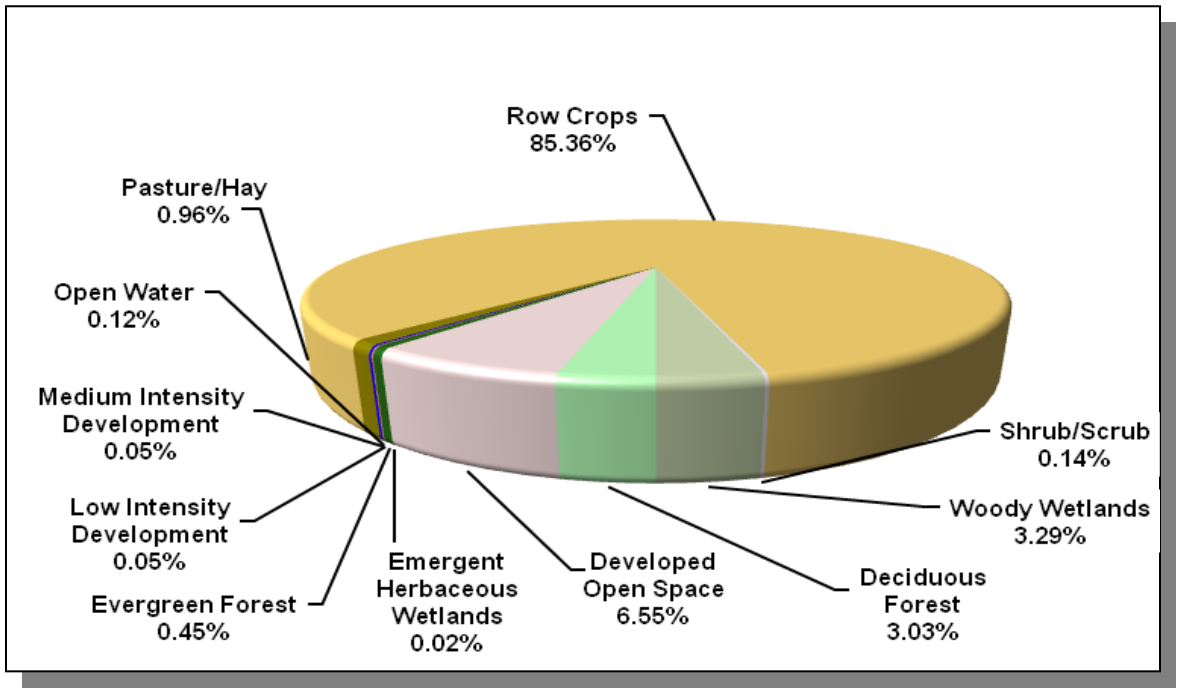

Figure 4-191. Land Use Distribution in Subwatershed 080102020304. *More information is provided in Appendix IV.*

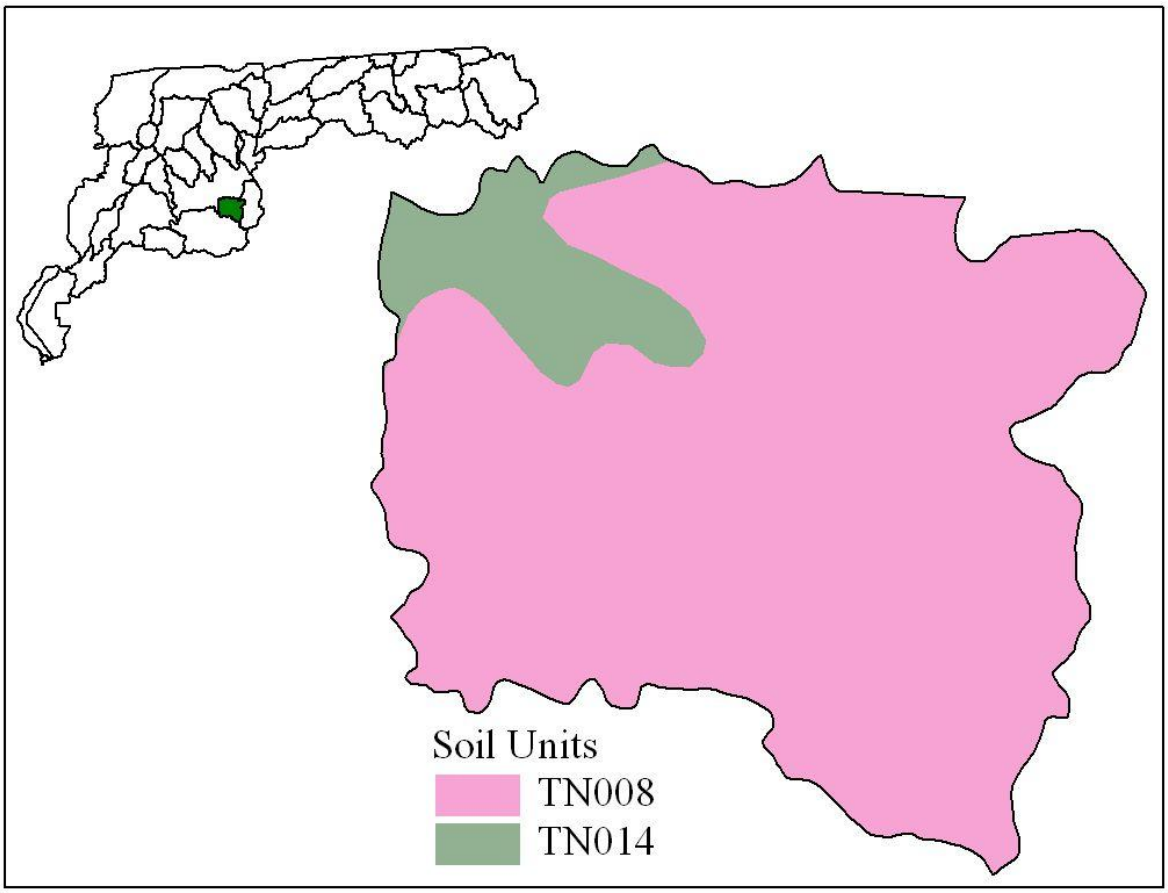

Figure 4-192. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020304

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-123. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020304. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Gibson	46,315	48,083	48,152	0.76	351	364	365	4.00
Obion	31,717	32,069	32,450	0.98	311	314	318	2.30
Totals	**78,032**	**80,152**	**80,602**		**662**	**678**	**683**	**3.20**

Table 4-124. Population Estimates in Subwatershed 080102020304.

4.2.U.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020304.

4.2.U.iii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020304 as of June 30th 2007.

4.2.U.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Gibson	9,766	21,779	221	605	7,506	74
Obion	8,033	18,503	118	7	21,149	205

Table 4-125. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Gibson	36.4	36.4	2.0	8.6
Obion	67.6	67.6	4.4	20.8

Table 4-126. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Cotton (Row Crops)	10.93
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.29
Other Cropland not Planted	8.05
Corn (Row Crops)	7.69
Sorghum (Row Crops)	4.40
Other Land in Farms	1.34
Conservation Reserve Program Land	1.26
Grass Forbs Legumes Mixed (Pastureland)	0.87
Grass (Pastureland)	0.50
Grass (Hayland)	0.42
Farmsteads and Ranch Headquarters	0.25
Legume (Pastureland)	0.07

Table 4-127. Annual Estimated Total Soil Loss in Subwatershed 080102020304.

4.2.V 080102020305 (Mill Creek).

4.2.V.i. General Description.

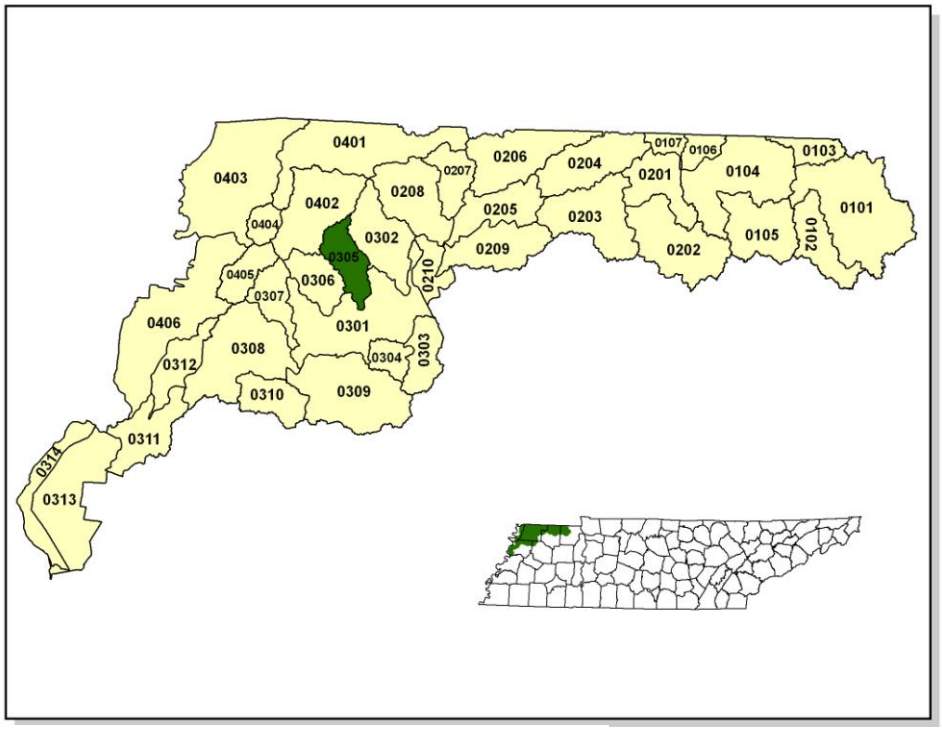

Figure 4-193. Location of Subwatershed 080102020305. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

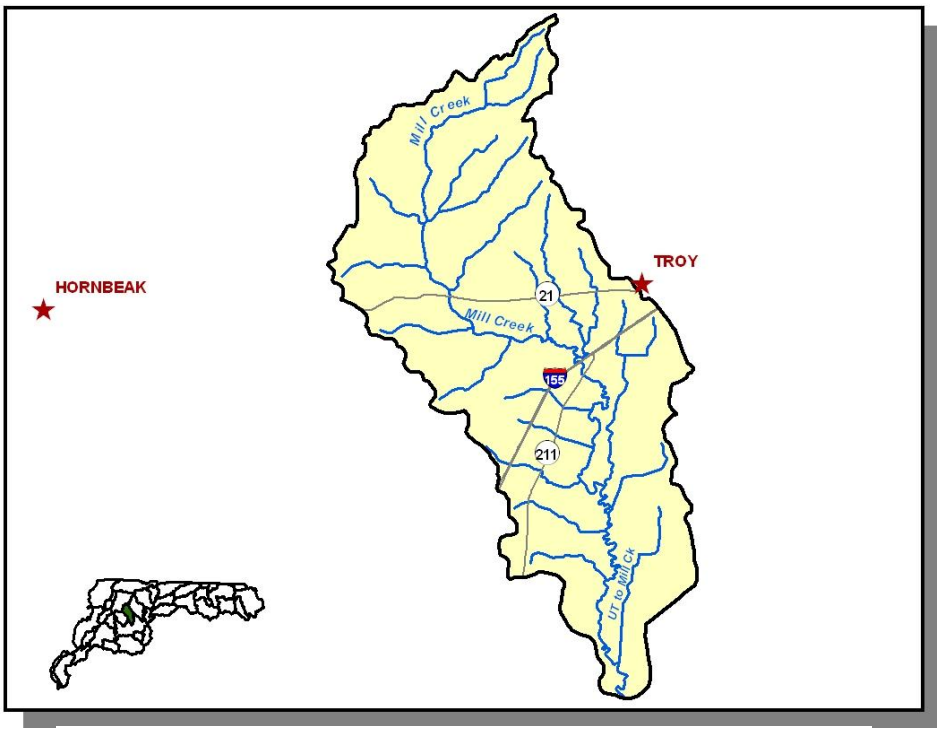

Figure 4-194. Locational Details of Subwatershed 080102020305.

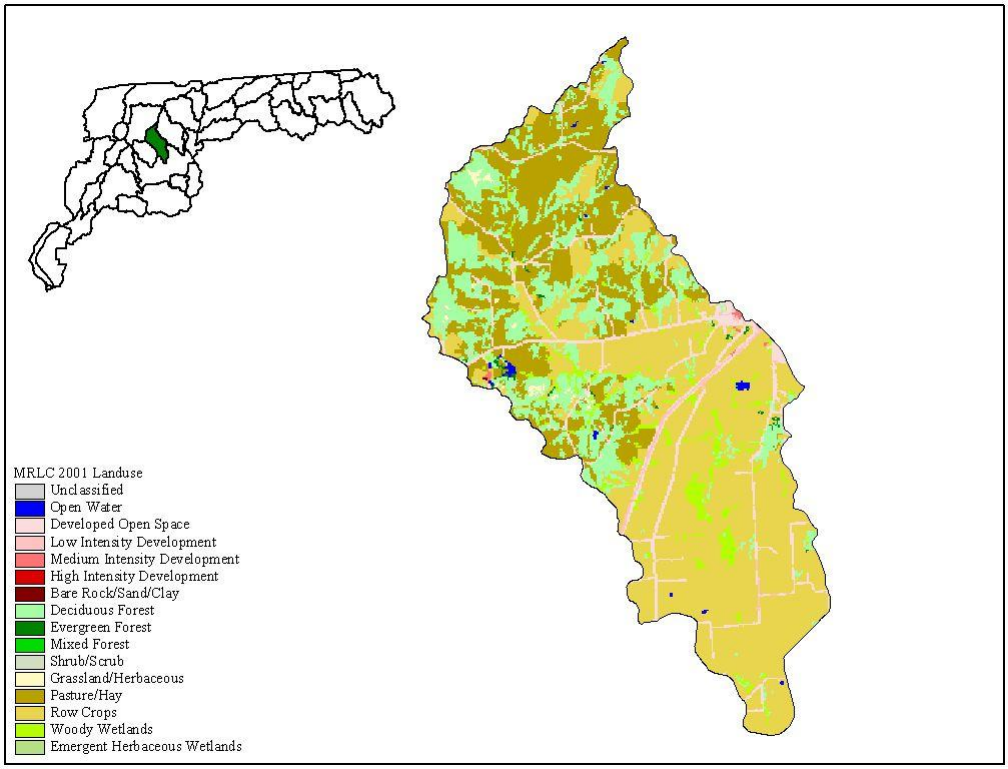

Figure 4-195. Illustration of Land Use Distribution in Subwatershed 080102020305.

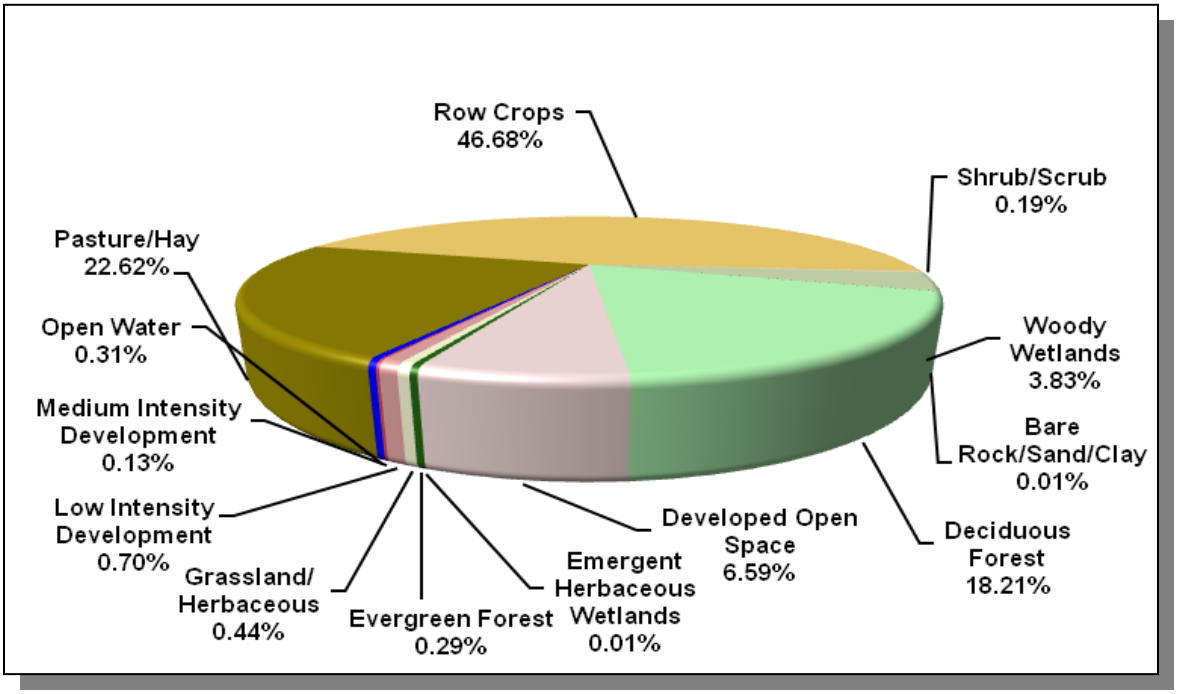

Figure 4-196. Land Use Distribution in Subwatershed 080102020305. *More information is provided in Appendix IV.*

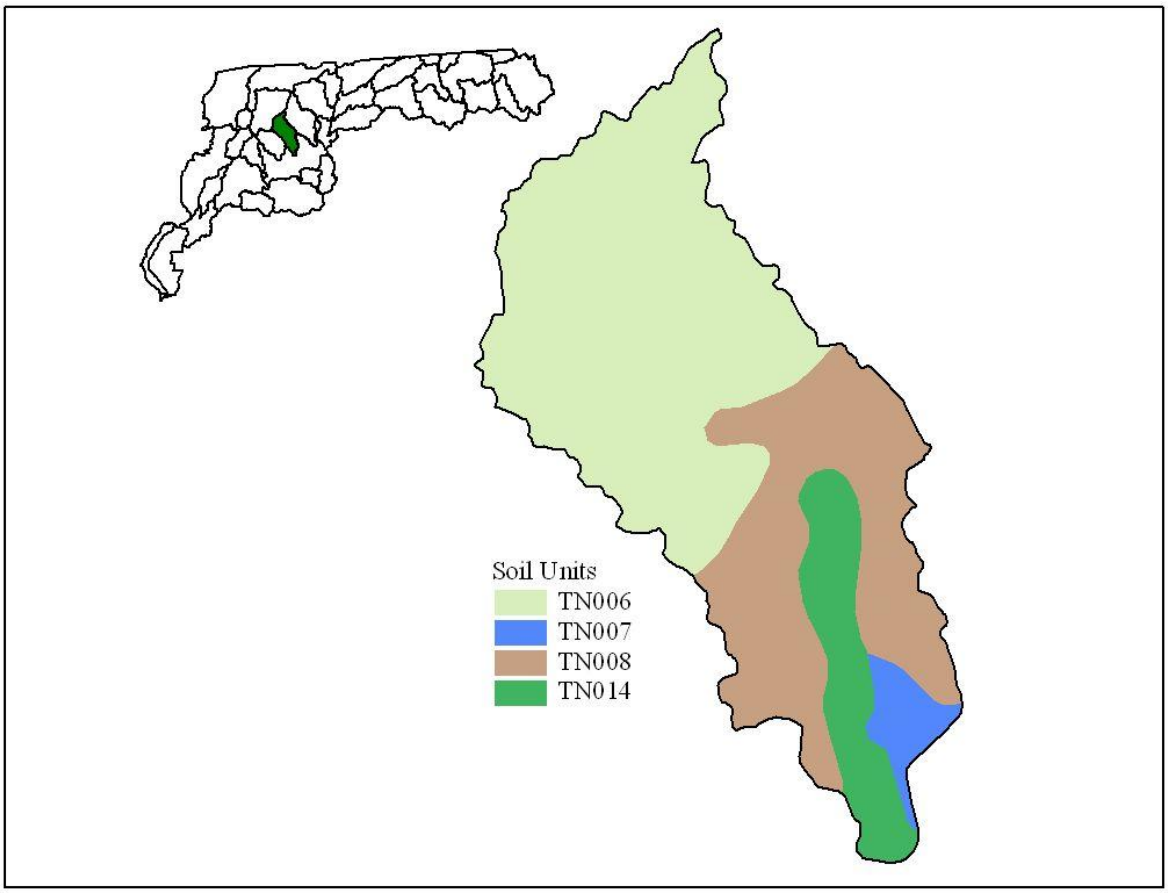

Figure 4-197. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020305.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-128. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020305. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	3.24	1,029	1,040	1,052	2.20

Table 4-129. Population Estimates in Subwatershed 080102020305.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Troy	Obion	1,033	451	423	28	0

Table 4-130. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020305.

4.2.V.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020305.

4.2.V.iii. Permitted Activities.

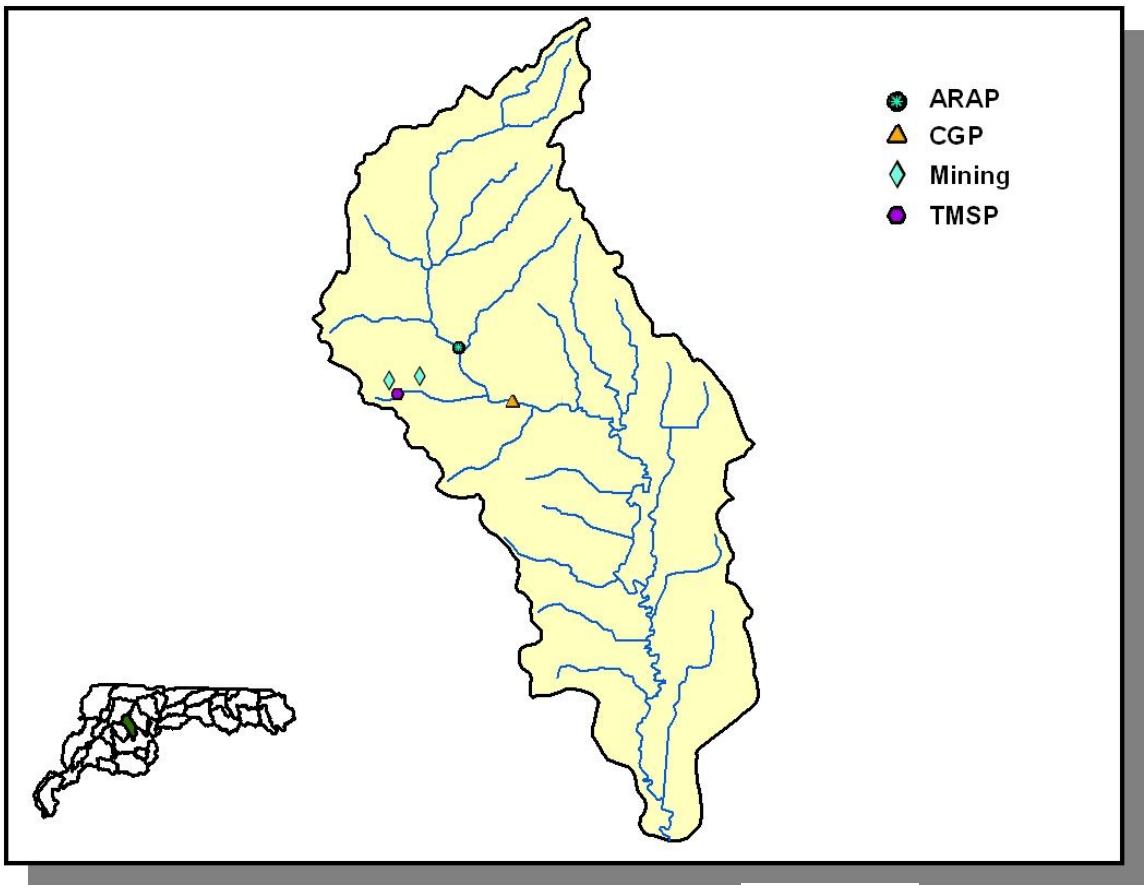

Figure 4-198. Location of Permits Issued in Subwatershed 080102020305. *More information, including the names of facilities, is provided in Appendix IV.*

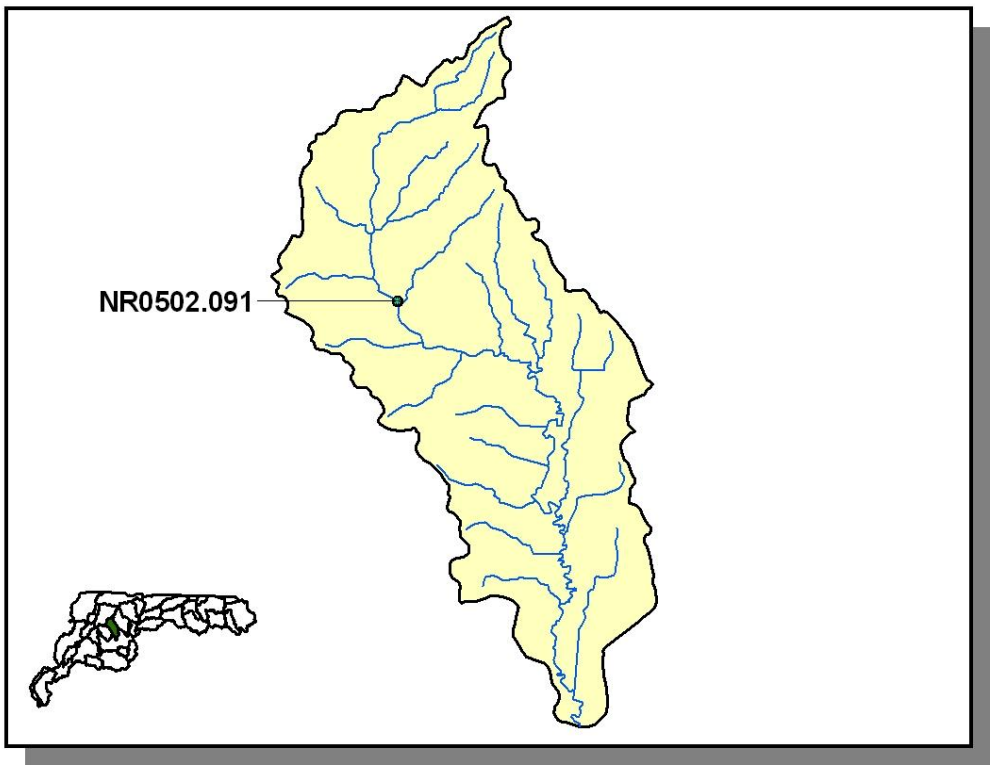

Figure 4-199. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020305. *More information is provided in Appendix IV.*

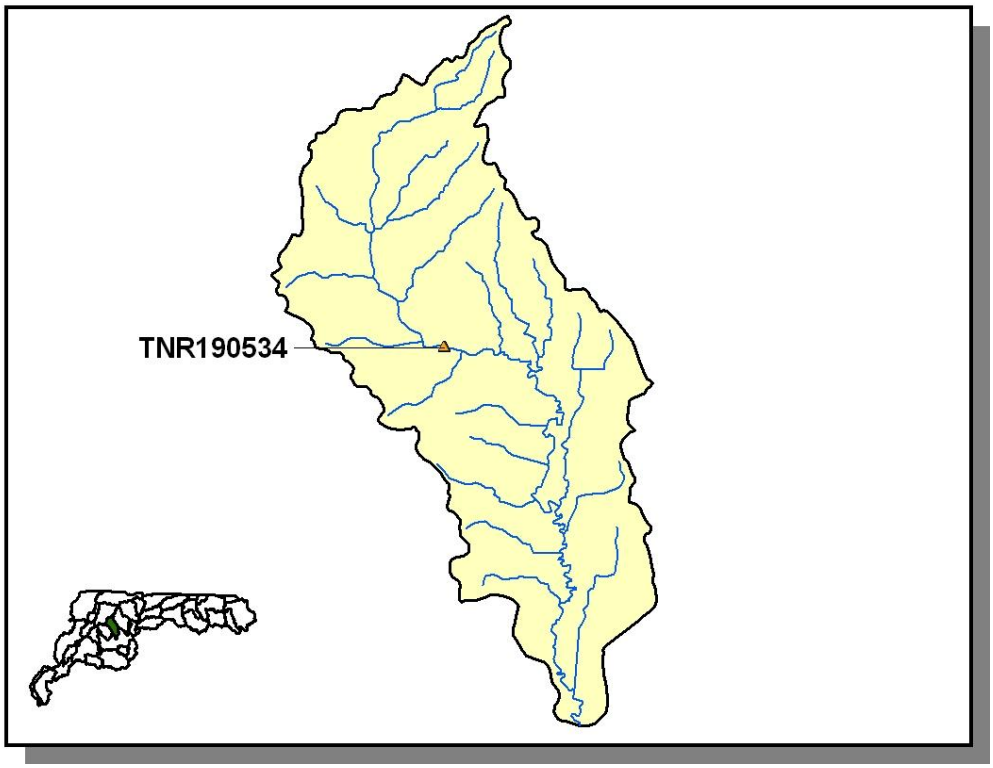

Figure 4-200. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020305. *More information is provided in Appendix IV.*

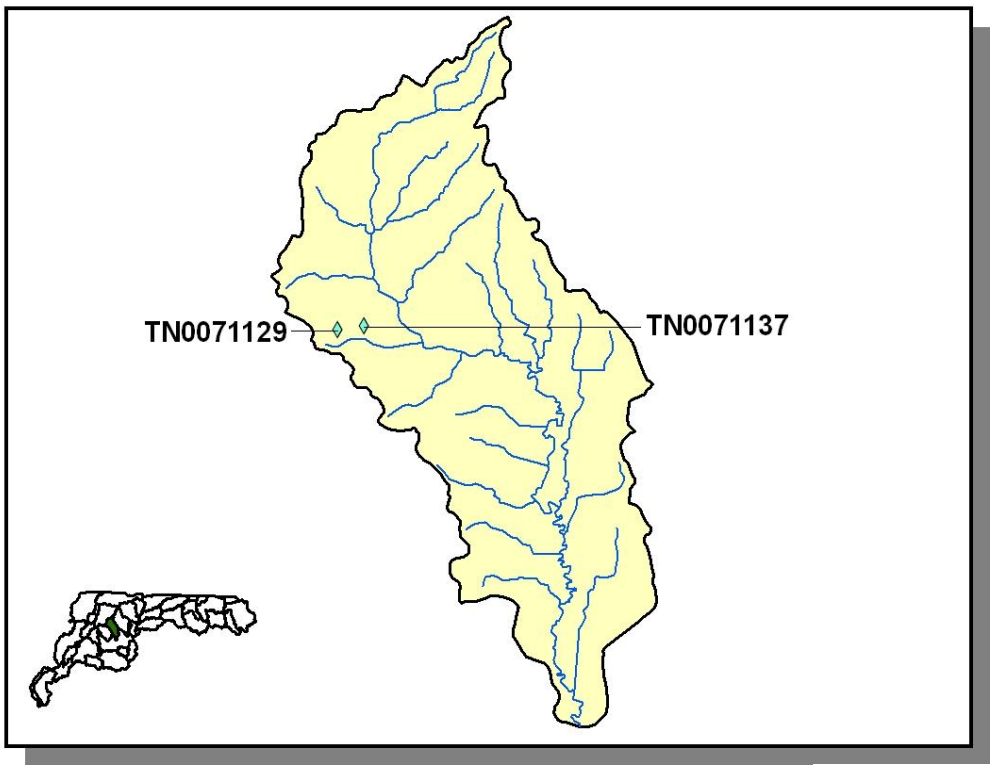

Figure 4-201. Location of Permitted Mining Facilities in Subwatershed 080102020305. *More information is provided in Appendix IV.*

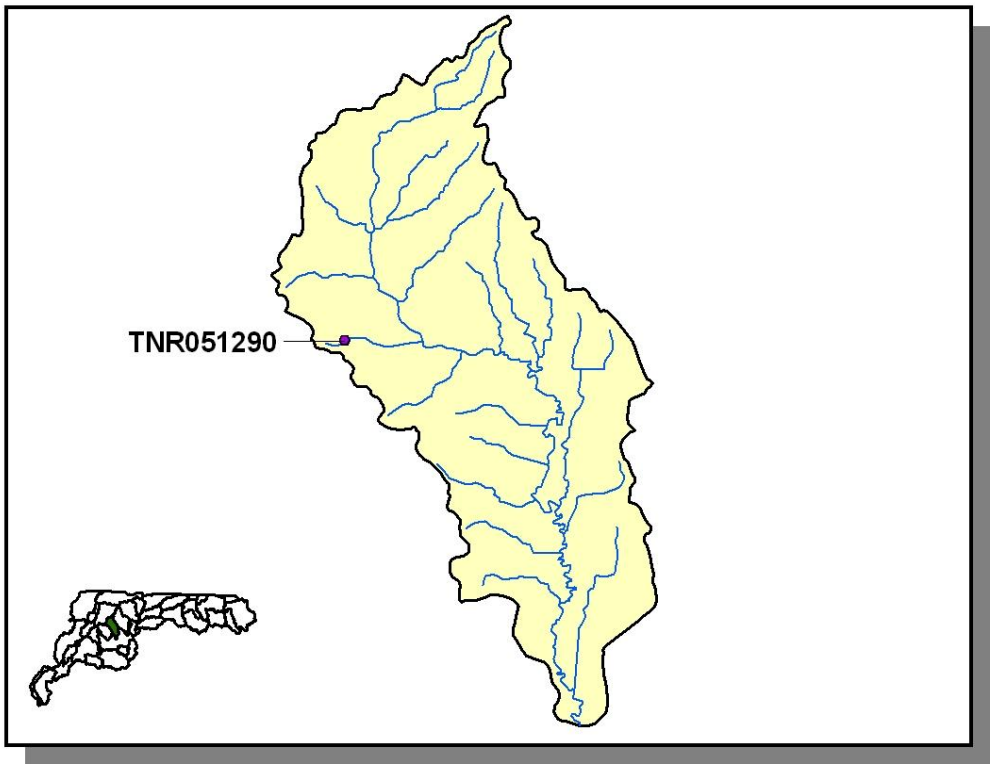

Figure 4-202. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020305. *More information is provided in Appendix IV.*

4.2.V.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-131. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-132. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-133. Annual Estimated Total Soil Loss in Subwatershed 080102020305.

4.2.W. 080102020306 (Richland Creek).

4.2.W.i. General Description.

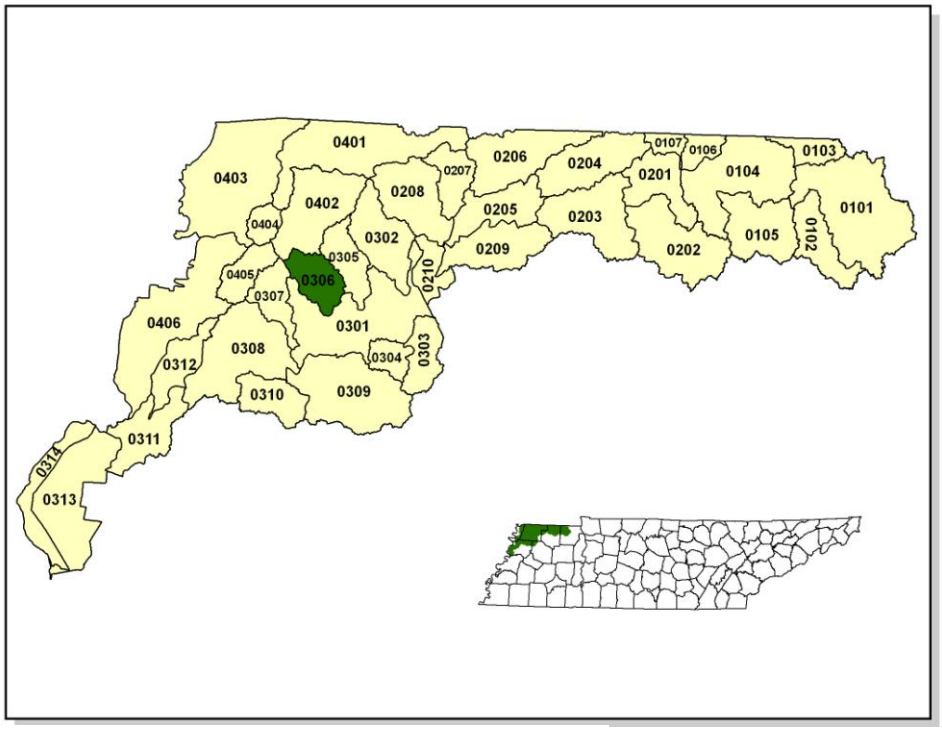

Figure 4-203. Location of Subwatershed 080102020306. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

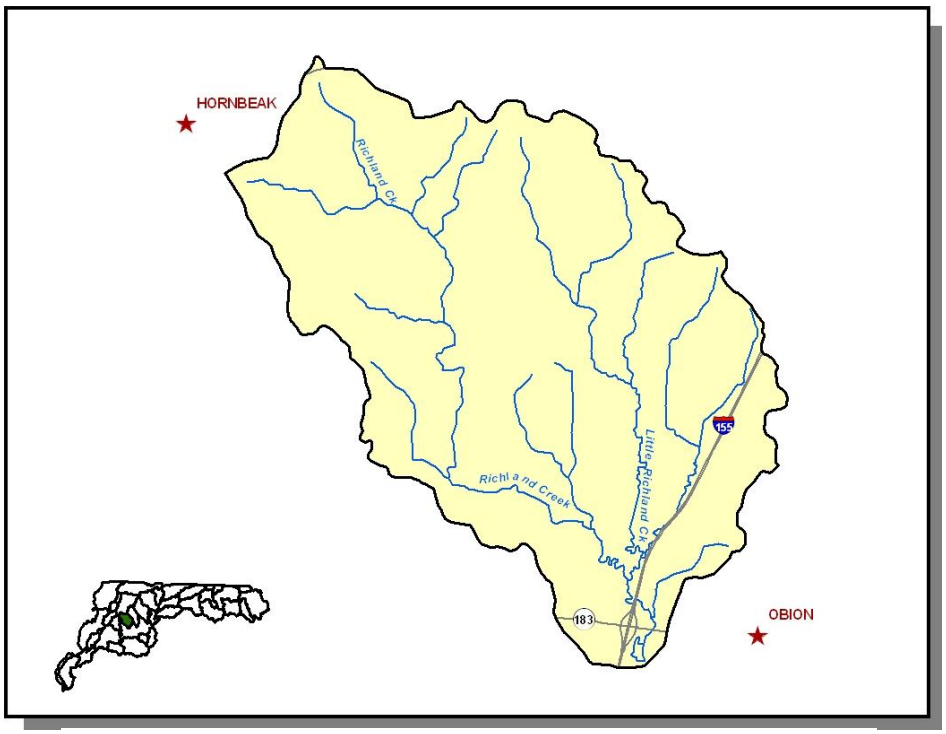

Figure 4-204. Locational Details of Subwatershed 080102020306.

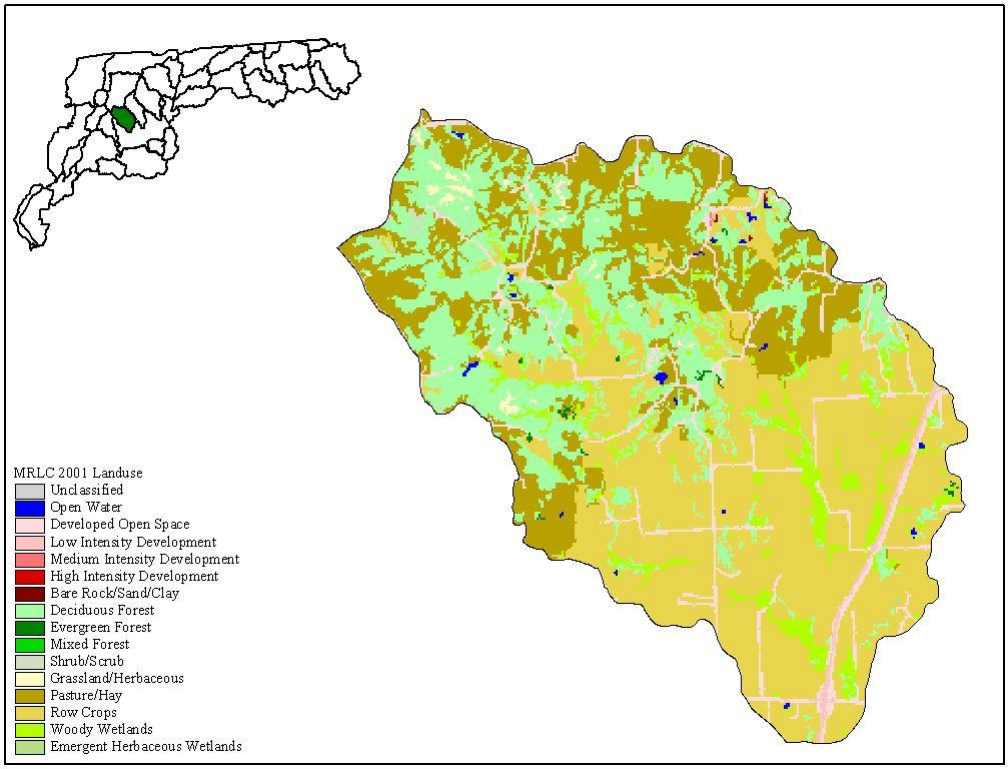

Figure 4-205. Illustration of Land Use Distribution in Subwatershed 080102020306.

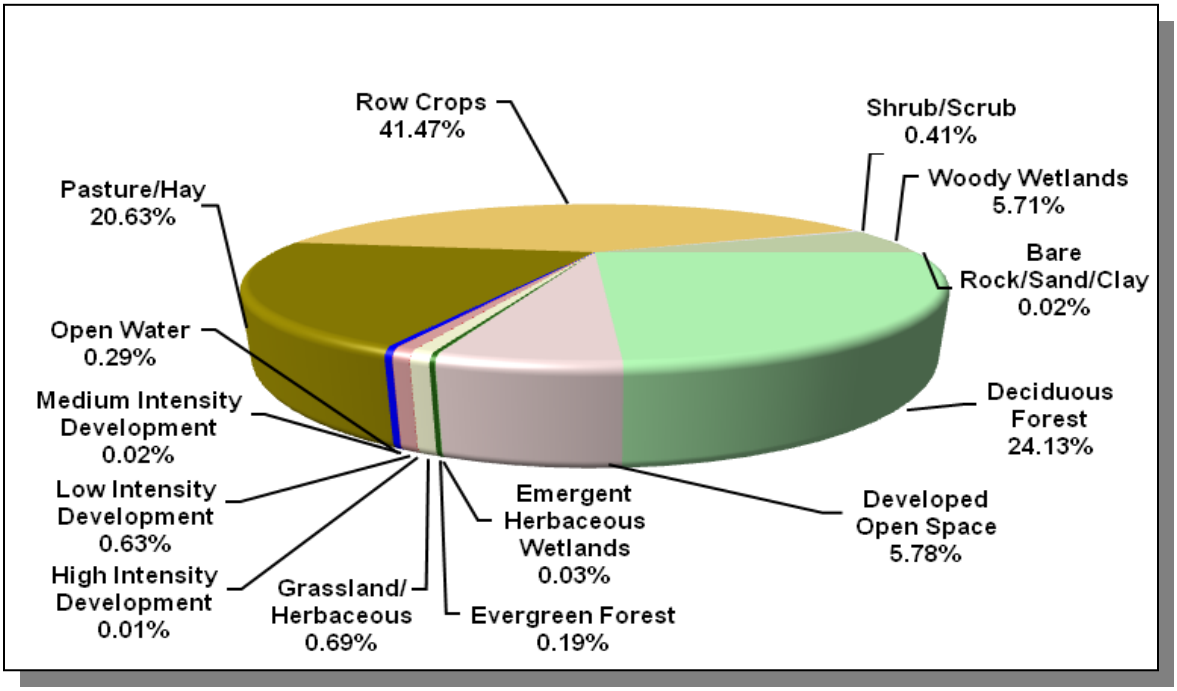

Figure 4-206. Land Use Distribution in Subwatershed 080102020306. *More information is provided in Appendix IV.*

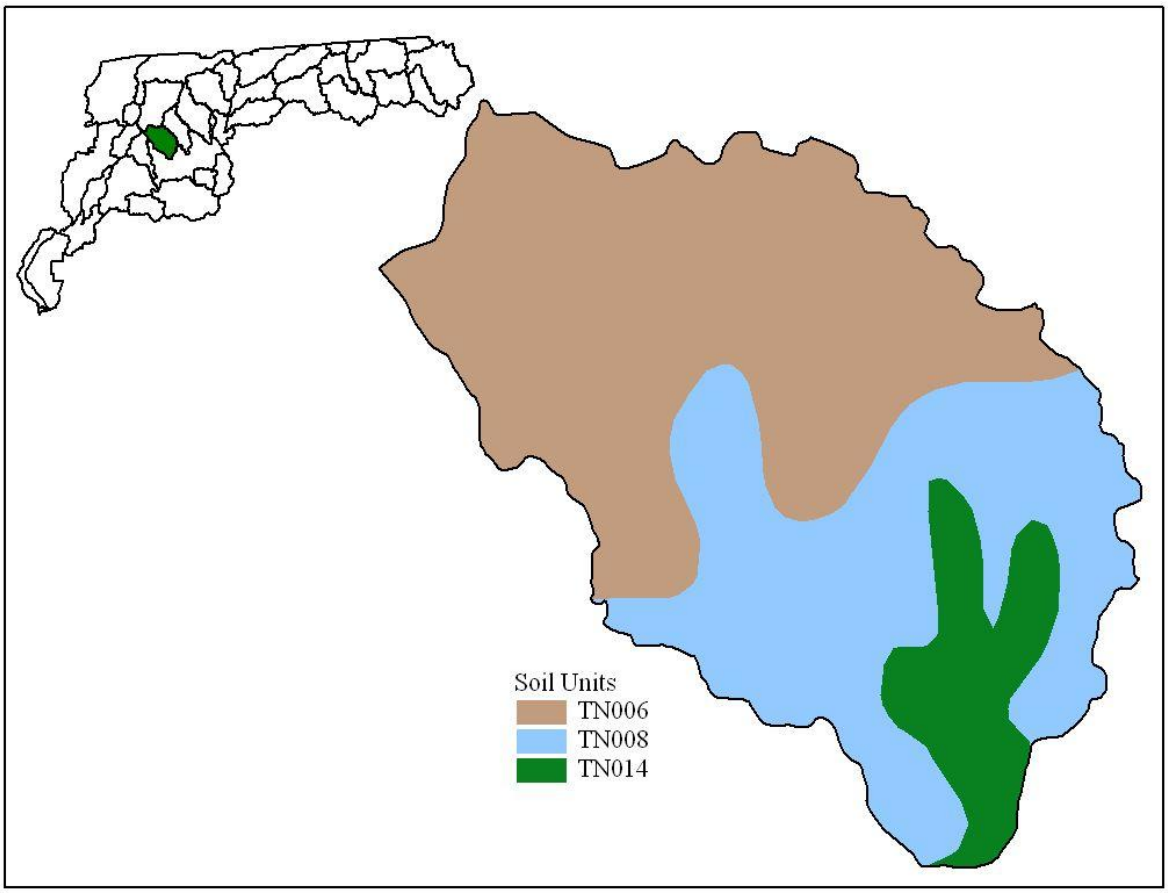

Figure 4-207. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020306.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-134. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020306. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	3.2	1,016	1,027	1,040	2.4

Table 4-135. Population Estimates in Subwatershed 080102020306.

4.2.W.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020306.

4.2.W.iii. Permitted Activities.

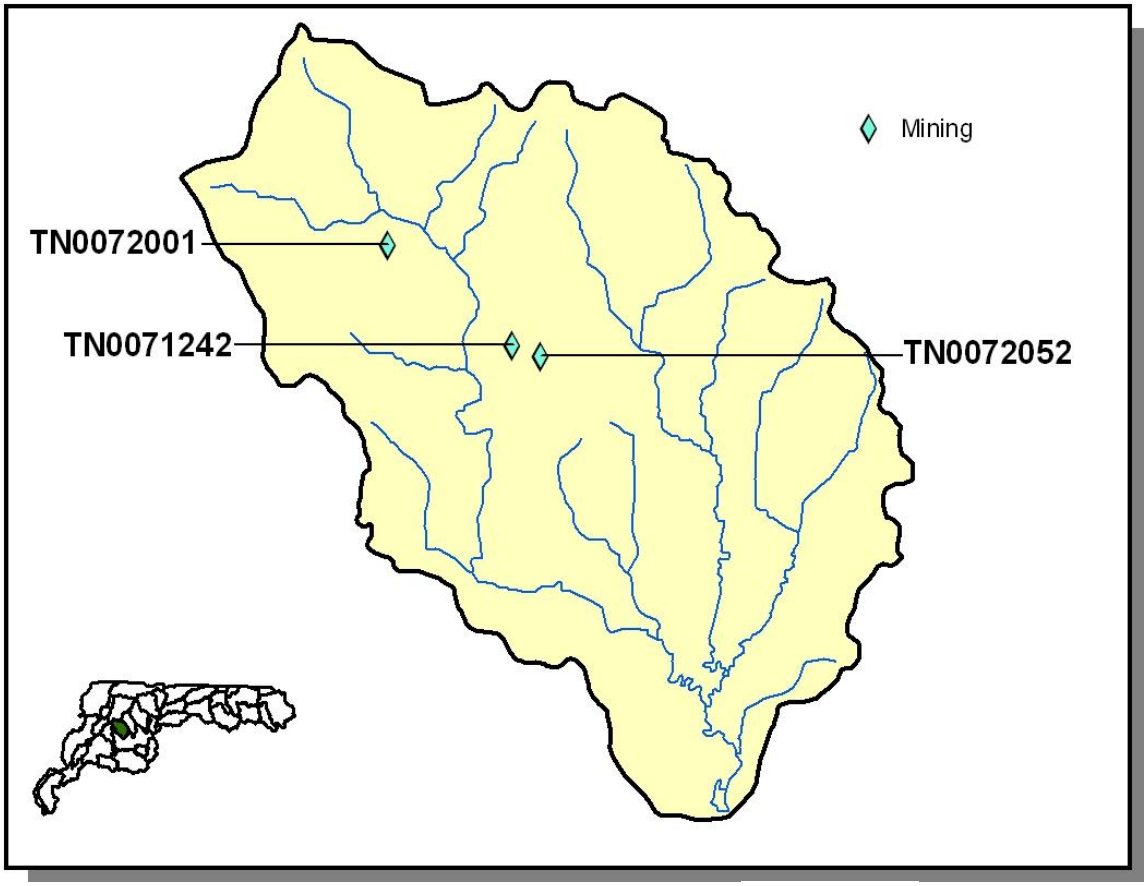

Figure 4-208. Location of Permits Issued in Subwatershed 080102020306. *More information, including the names of facilities, is provided in Appendix IV.*

4.2.W.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-136. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-137. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-138. Annual Estimated Total Soil Loss in Subwatershed 080102020306.

4.2.X. 080102020307 (Clover Creek).

4.2.X.i. General Description.

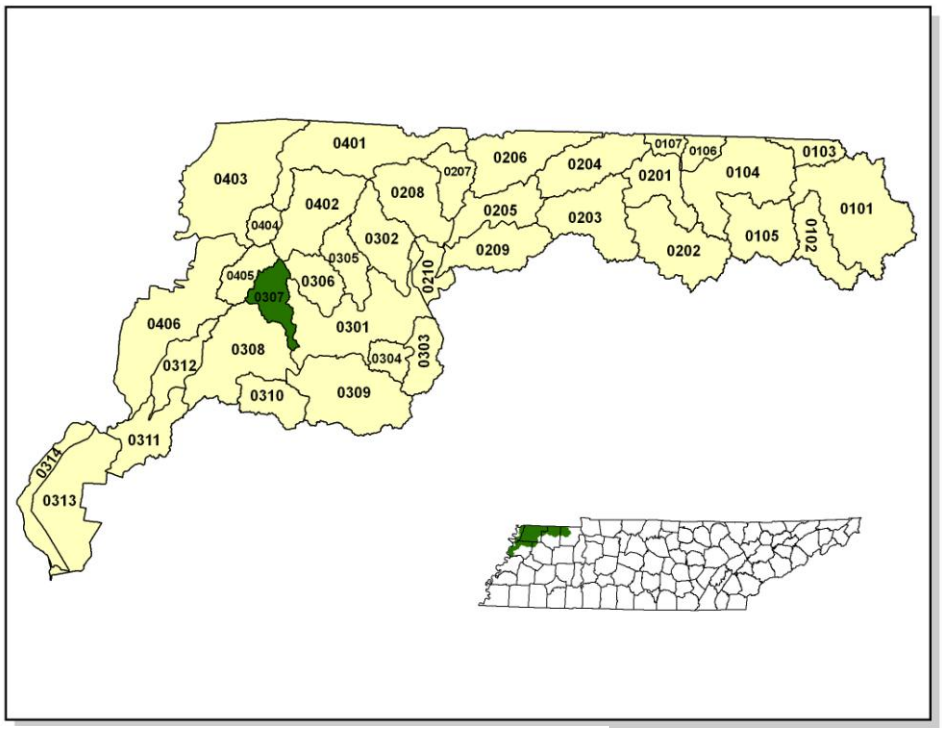

Figure 4-209. Location of Subwatershed 080102020307. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

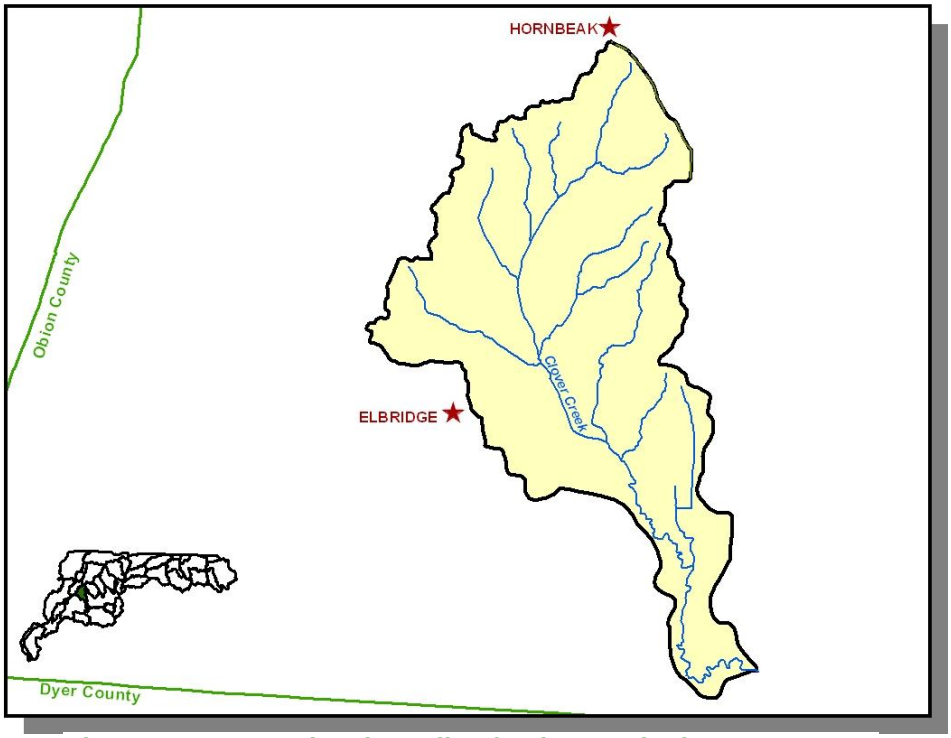

Figure 4-210. Locational Details of Subwatershed 080102020307.

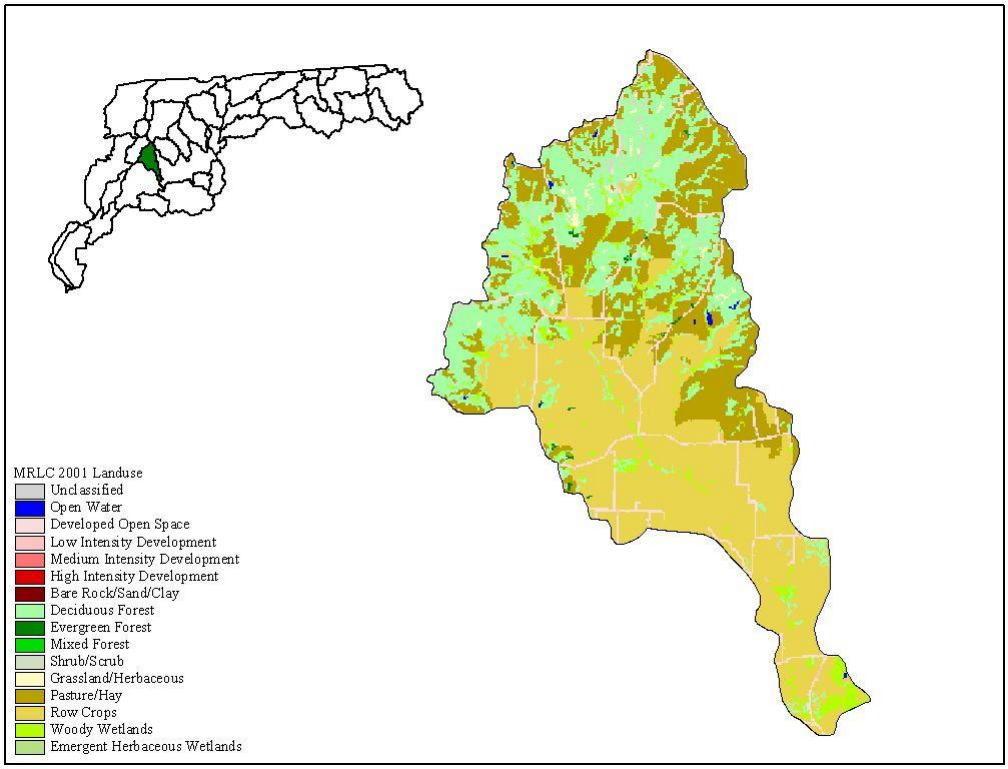

Figure 4-211. Illustration of Land Use Distribution in Subwatershed 080102020307.

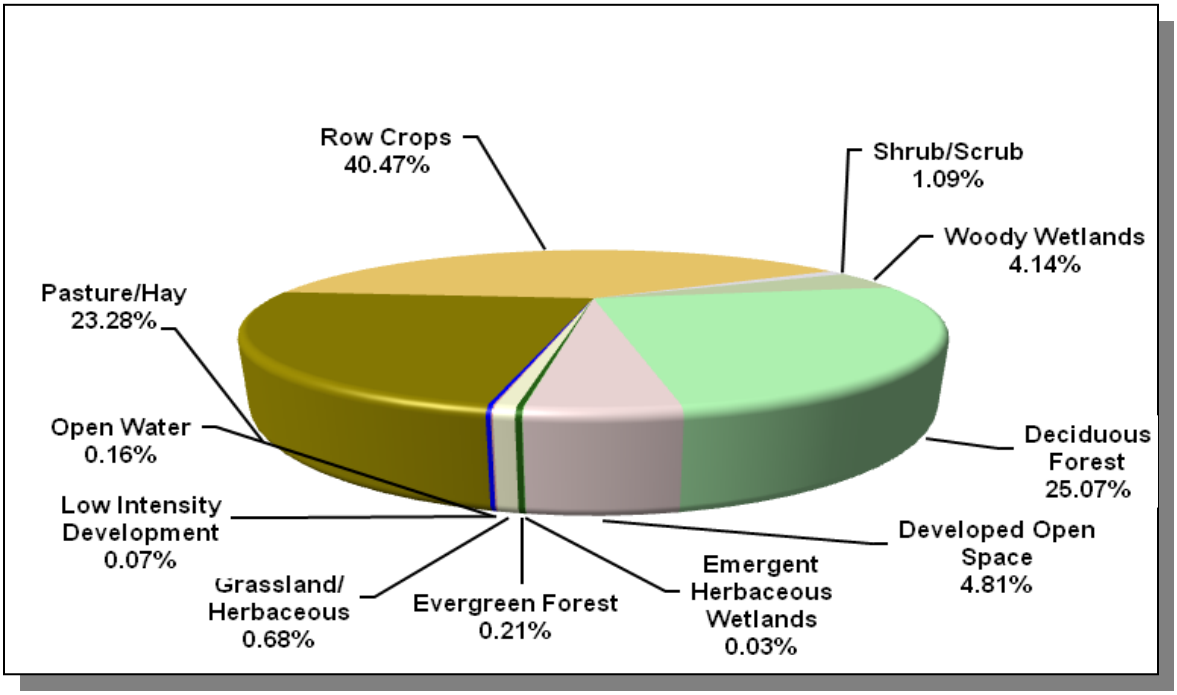

Figure 4-212. Land Use Distribution in Subwatershed 080102020307. *More information is provided in Appendix IV.*

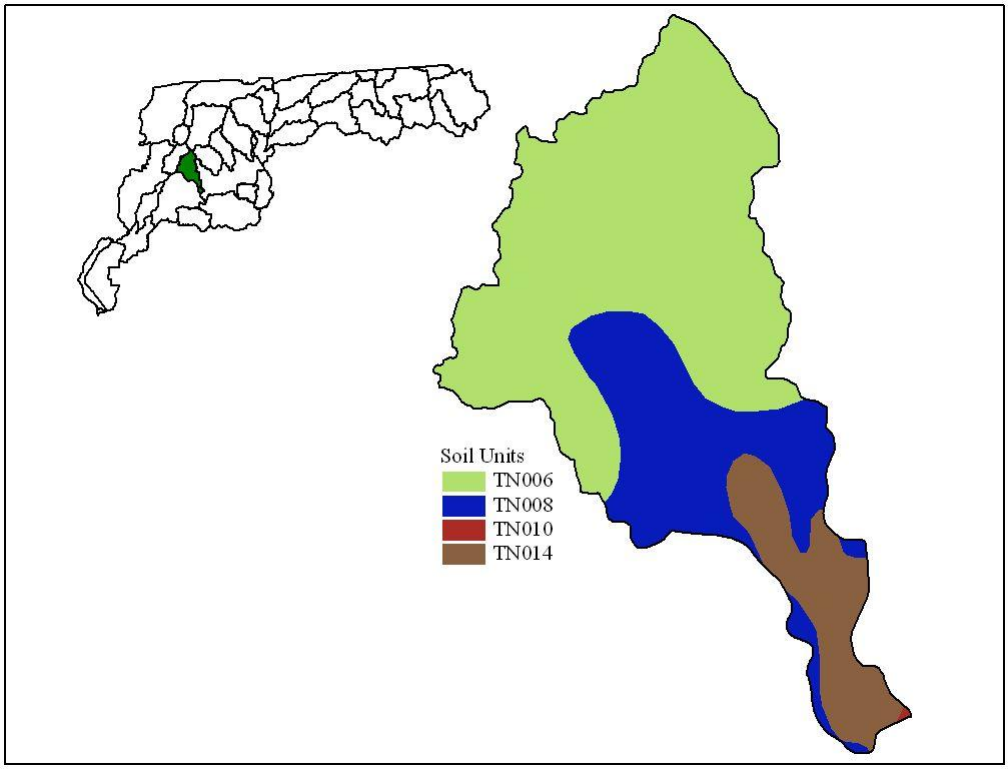

Figure 4-213. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020307.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-139. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020307. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32450	2.94	931	942	953	2.40

Table 4-140. Population Estimates in Subwatershed 080102020307.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Hornbeak	Obion	472	194	12	180	2

Table 4-141. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020307.

4.2.X.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020307.

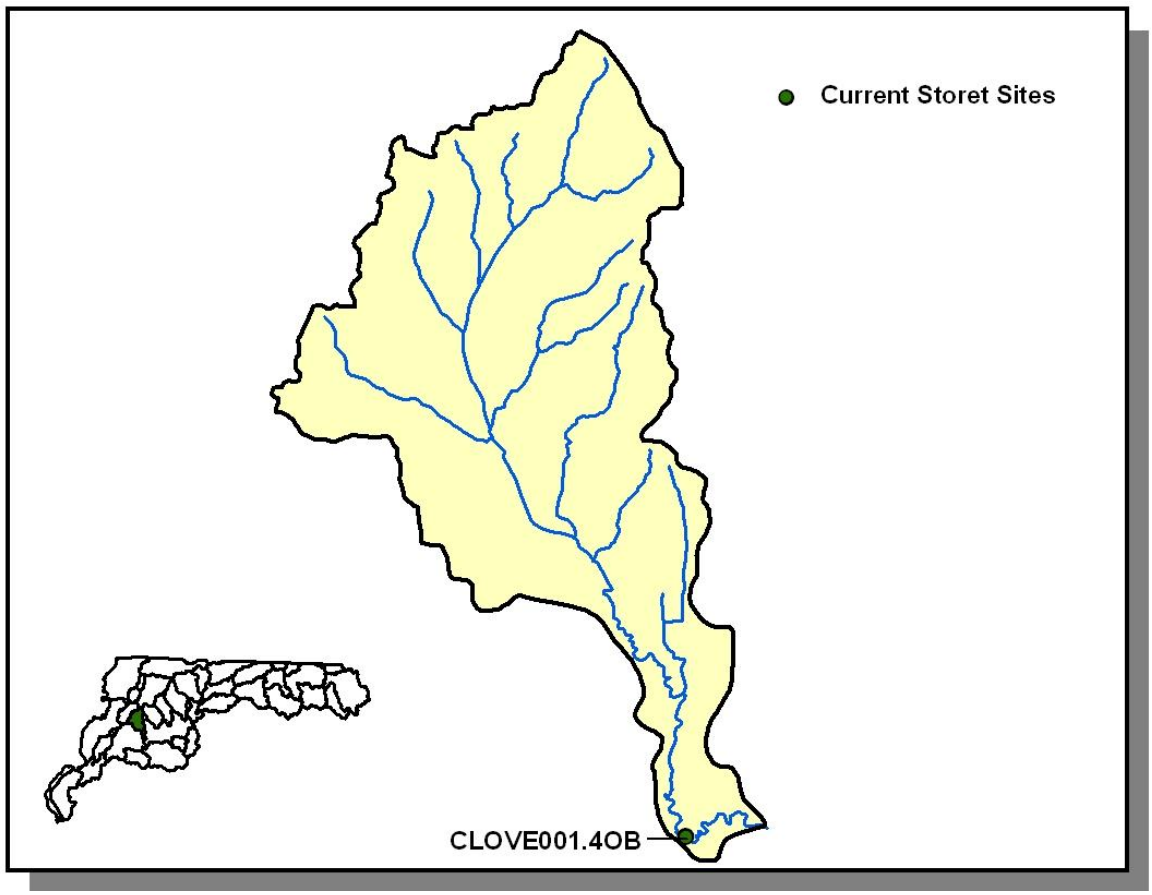

Figure 4-214. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020307. *More information, including site names and locations, is provided in Appendix IV.*

4.2.X.iii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020307 as of June 30th 2007.

4.2.X.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	7	820,630	21,149	118

Table 4-142. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-143. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-144. Annual Estimated Total Soil Loss in Subwatershed 080102020307.

4.2.Y. 080102020308 (Obion River).

4.2.Y.i. General Description.

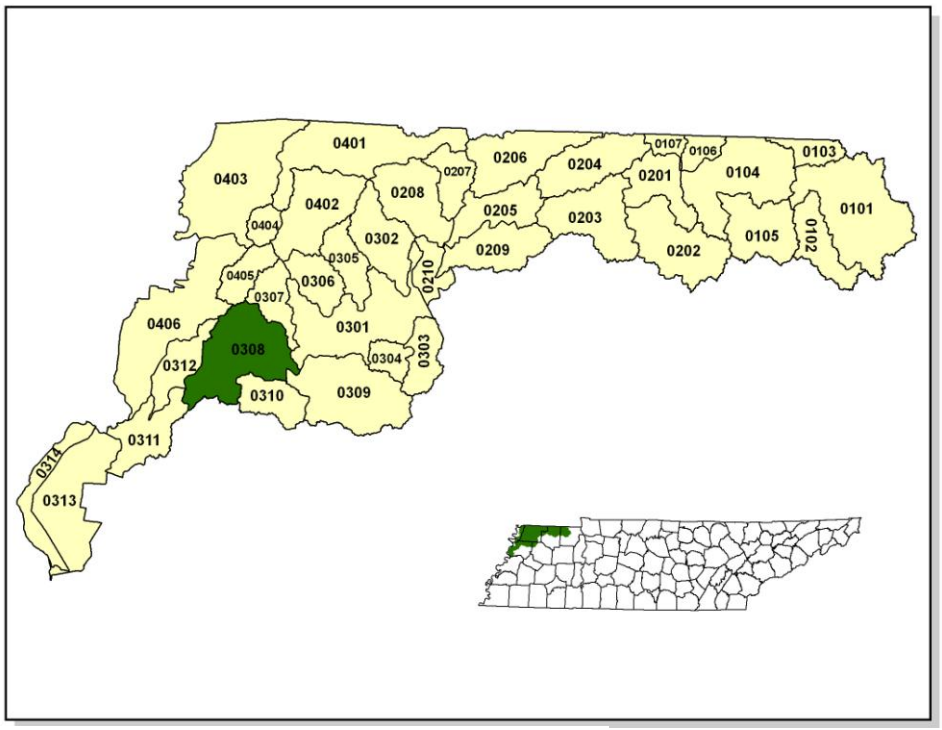

Figure 4-215. Location of Subwatershed 080102020308. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

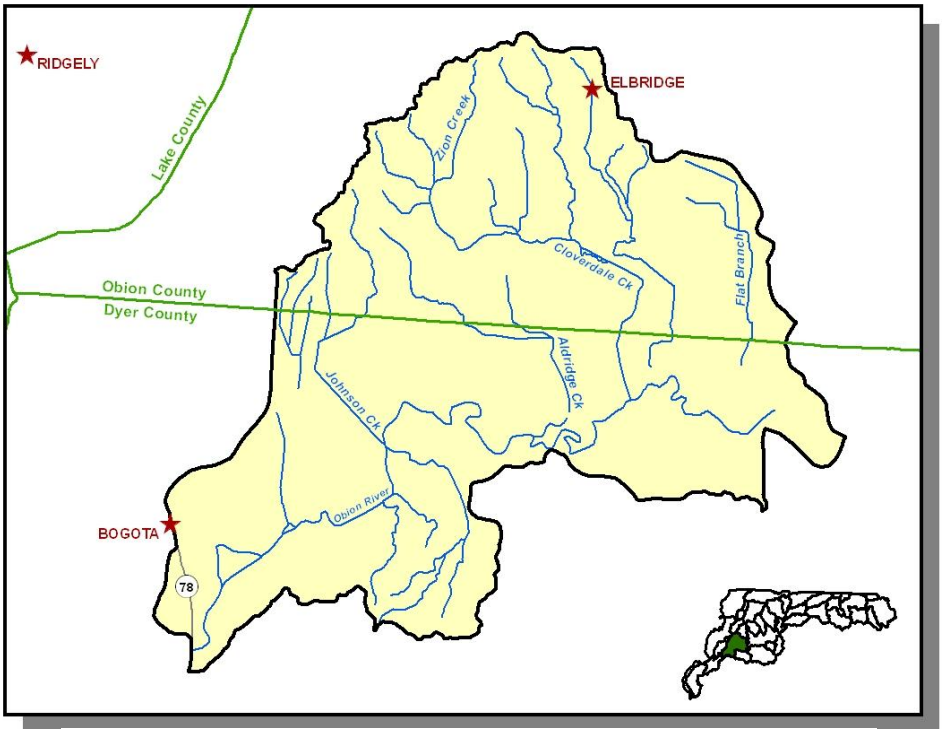

Figure 4-216. Locational Details of Subwatershed 080102020308.

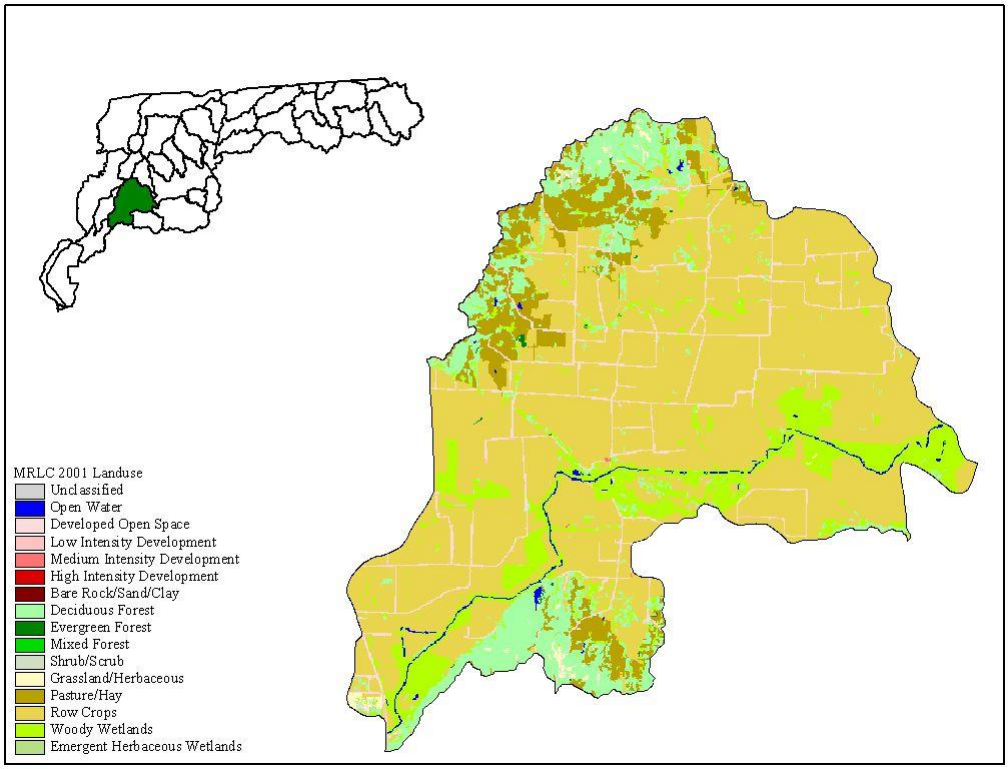

Figure 4-217. Illustration of Land Use Distribution in Subwatershed 080102020308.

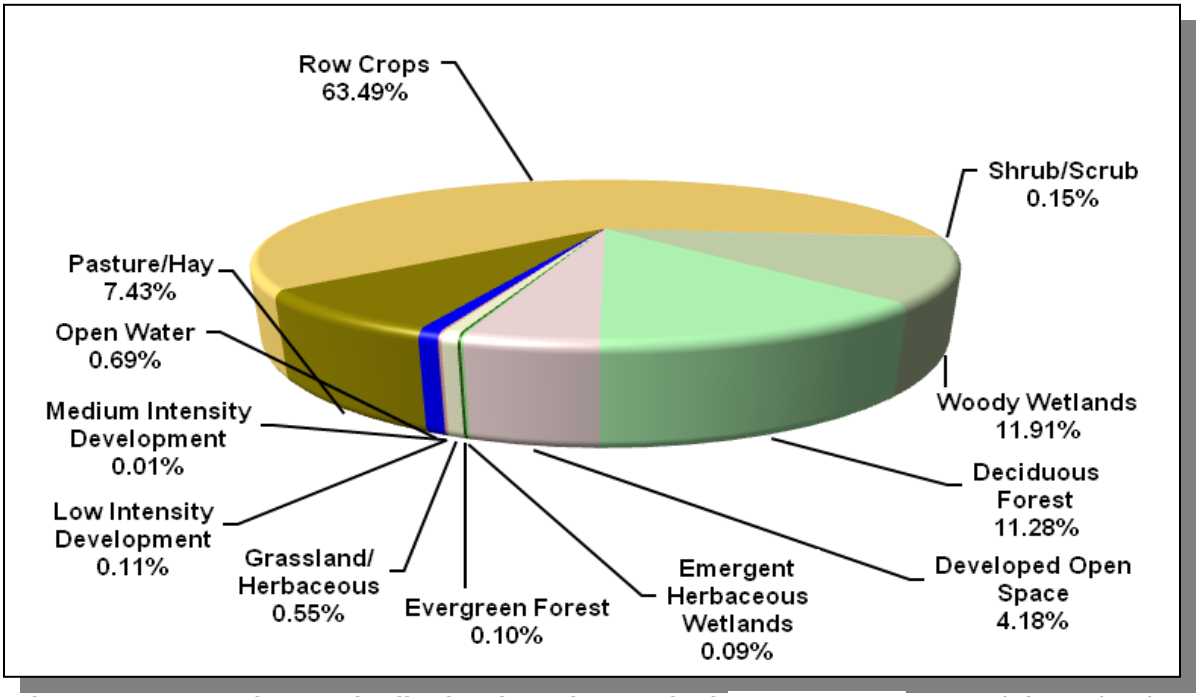

Figure 4-218. Land Use Distribution in Subwatershed 080102020308. *More information is provided in Appendix IV.*

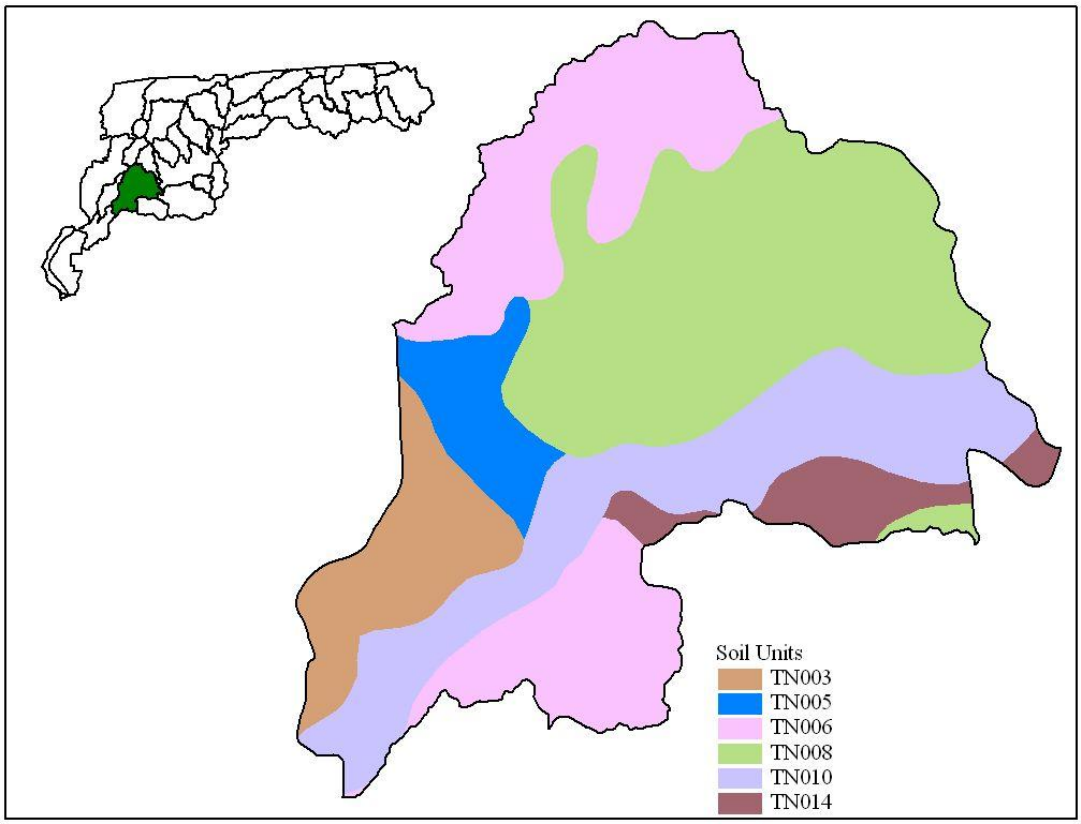

Figure 4-219. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020308.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN003	62.00	C	0.50	6.65	Silty Clay	0.33
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-145. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020308. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	5.81	2,023	2,117	2,164	7.00
Obion	31,717	32,069	32,450	3.84	1,218	1,231	1,246	2.30
Totals	**66,571**	**68,534**	**69,729**		**3,241**	**3,348**	**3,410**	**5.20**

Table 4-146. Population Estimates in Subwatershed 080102020308.

4.2.Y.ii. USGS Gaging Stations and STORET Sites.

There are no STORET sites located in subwatershed 080102020308.

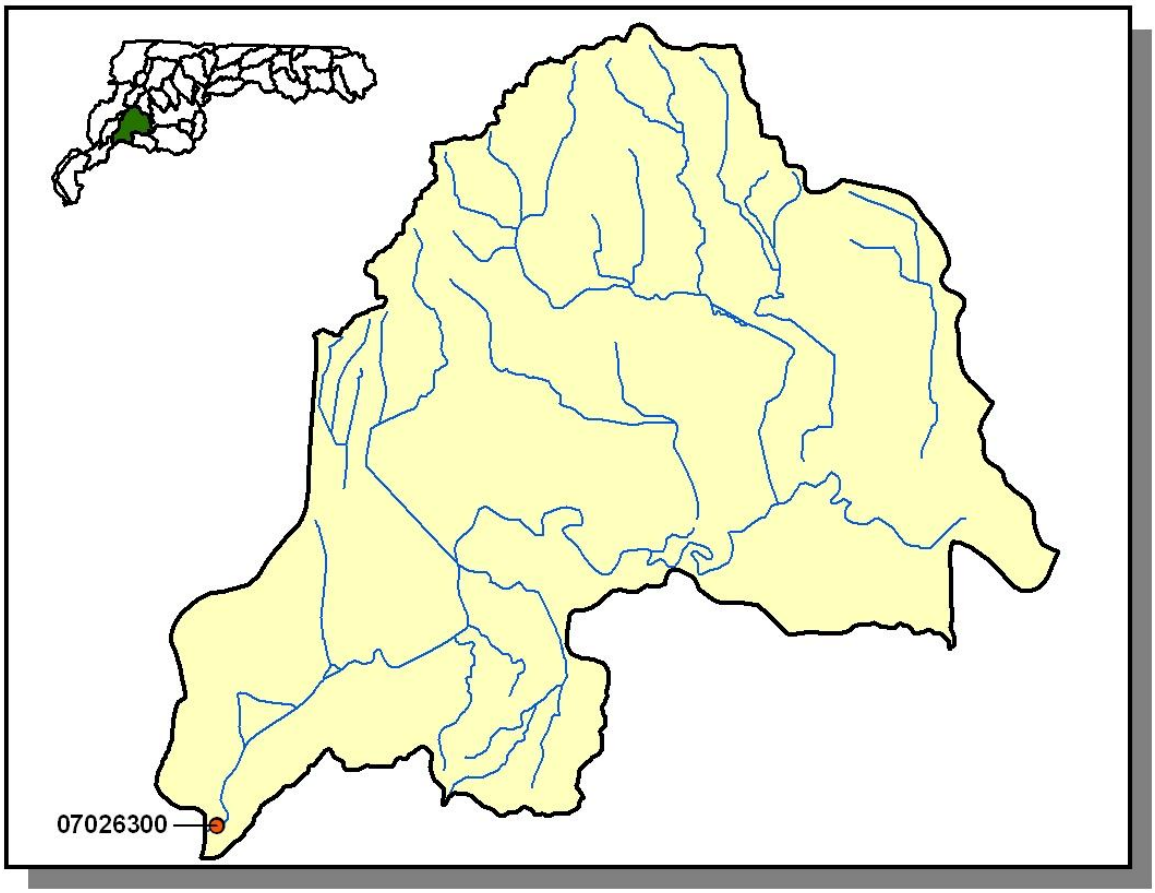

Figure 4-220. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020308. *More information is provided in Appendix IV.*

4.2.Y.iii. Permitted Activities.

There are not permitted activities located in subwatershed 080102020308 as of June 30th, 2007.

4.2.Y.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Obion	8,033	18,503	118	7	21,149	205

Table 4-147. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8
Obion	67.6	67.6	4.4	20.8

Table 4-148. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	6.67
Soybeans (Row Crops)	6.61
Wheat (Close Grown Cropland)	6.31
Corn (Row Crops)	6.17
Cotton (Row Crops)	5.48
Sorghum (Row Crops)	4.61
Oats (Close Grown Cropland)	3.34
Grass (Pastureland)	1.26
Conservation Reserve Program Land	1.02
Farmsteads and Ranch Headquarters	0.79
Grass Forbs Legumes Mixed (Pastureland)	0.57
Grass (Hayland)	0.28
Legume (Pastureland)	0.07

Table 4-149. Annual Estimated Total Soil Loss in Subwatershed 080102020308.

4.2.Z. 080102020309 (Reeds Creek).

4.2.Z.i. General Description.

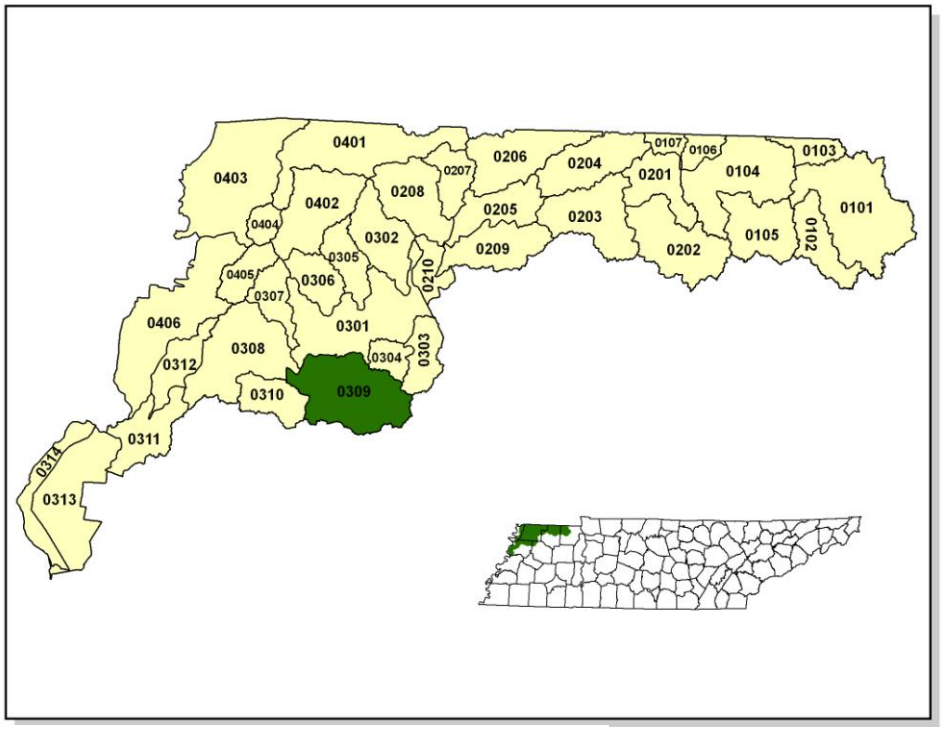

Figure 4-221. Location of Subwatershed 080102020309. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

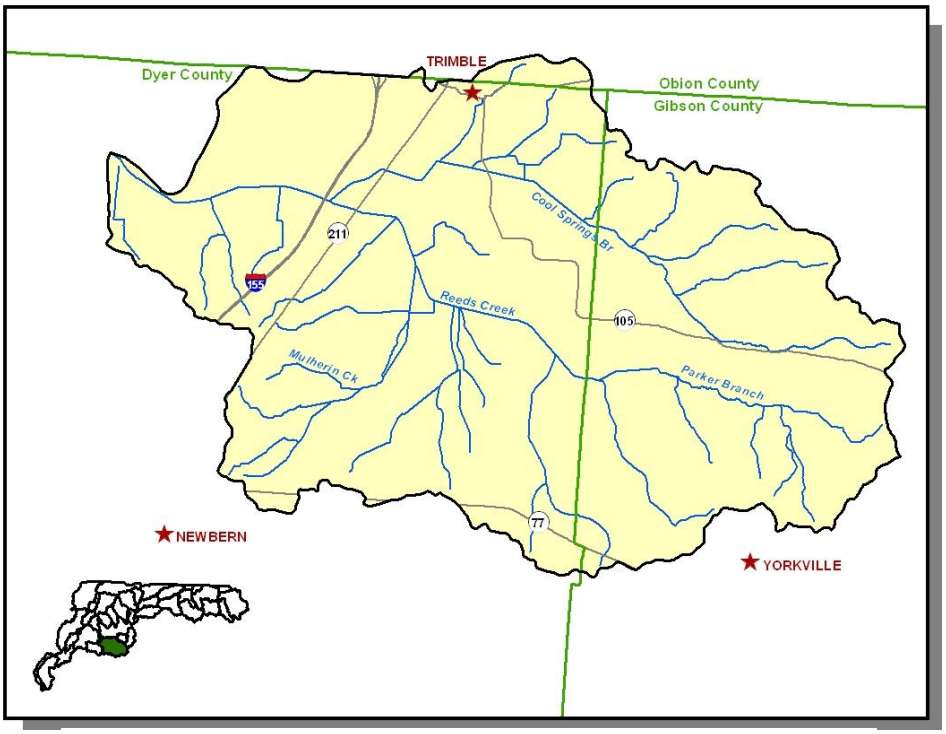

Figure 4-222. Locational Details of Subwatershed 080102020309.

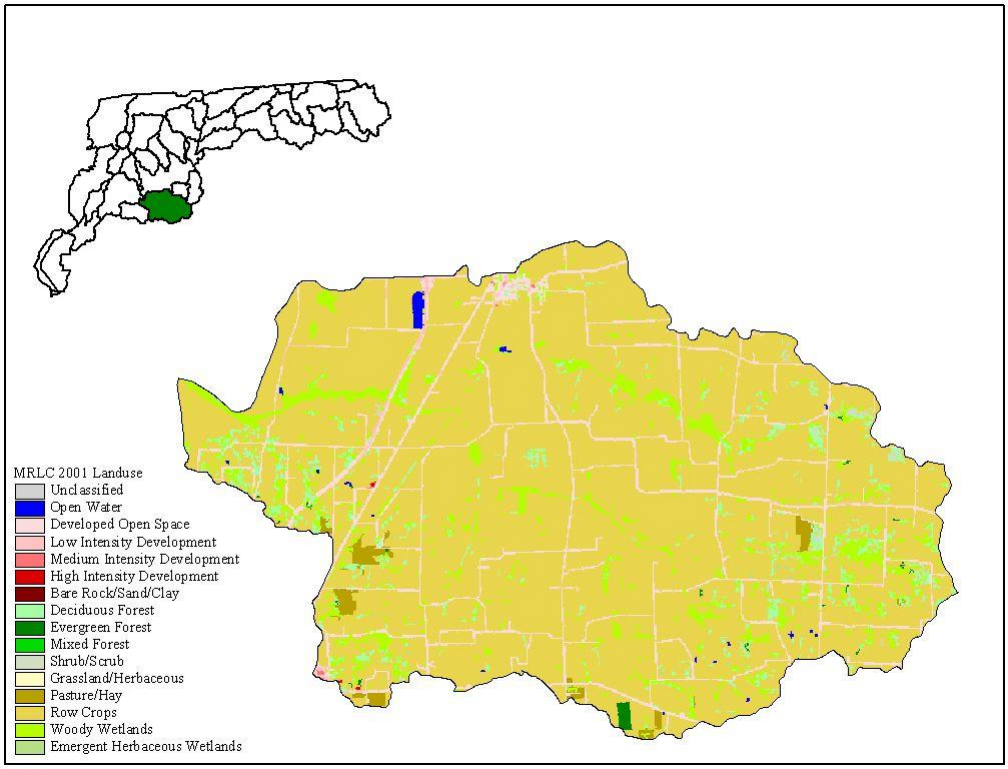

Figure 4-223. Illustration of Land Use Distribution in Subwatershed 080102020309.

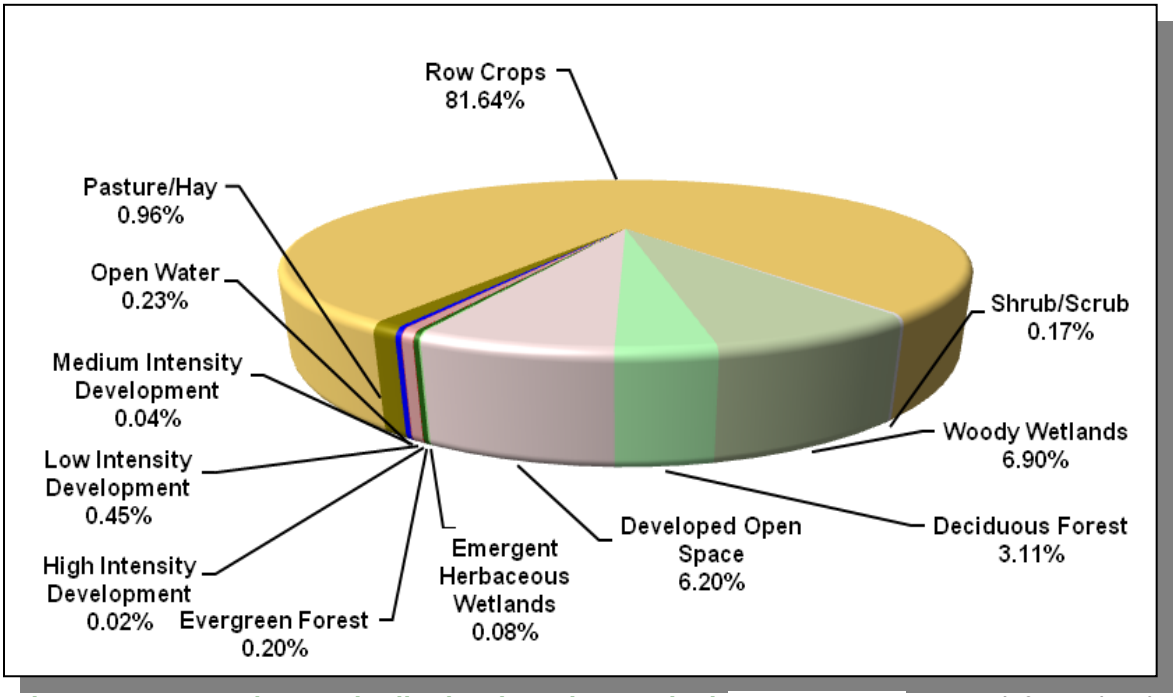

Figure 4-224. Land Use Distribution in Subwatershed 080102020309. *More information is provided in Appendix IV.*

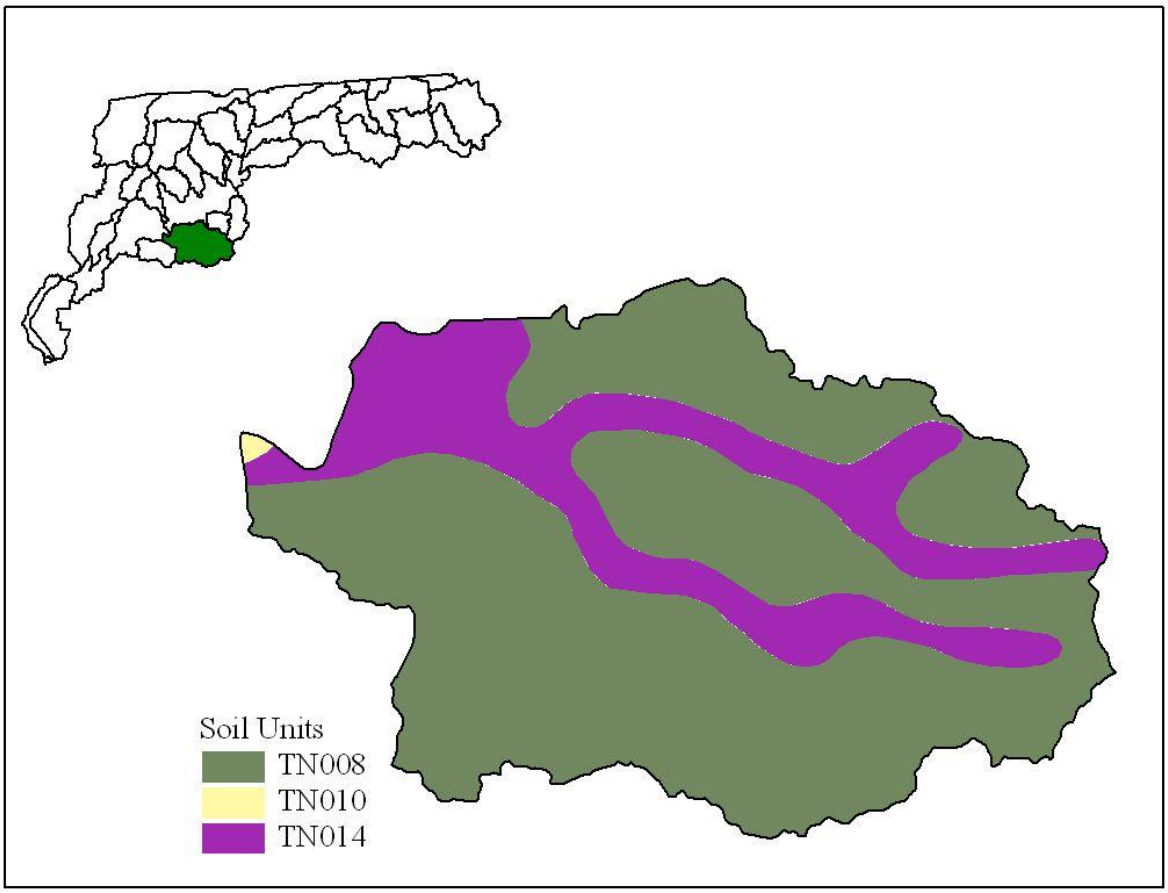

Figure 4-225. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020309.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-150. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020309. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	6.26	2,183	2,284	2,335	7.00
Gibson	46,315	48,083	48,152	3.24	1,503	1,560	1,562	3.90
Obion	31,717	32,069	32,450	0.09	30	30	30	0.00
Totals	**112,886**	**116,617**	**117,881**		**3,716**	**3,874**	**3,927**	**5.70**

Table 4-151. Population Estimates in Subwatershed 080102020309.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Trimble	Obion	695	306	295	11	0
Newbern	Dyer	2,514	1,052	994	58	0
Total		**3,209**	**1,358**	**1,289**	**69**	**0**

Table 4-152. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020309.

4.2.Z.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020309.

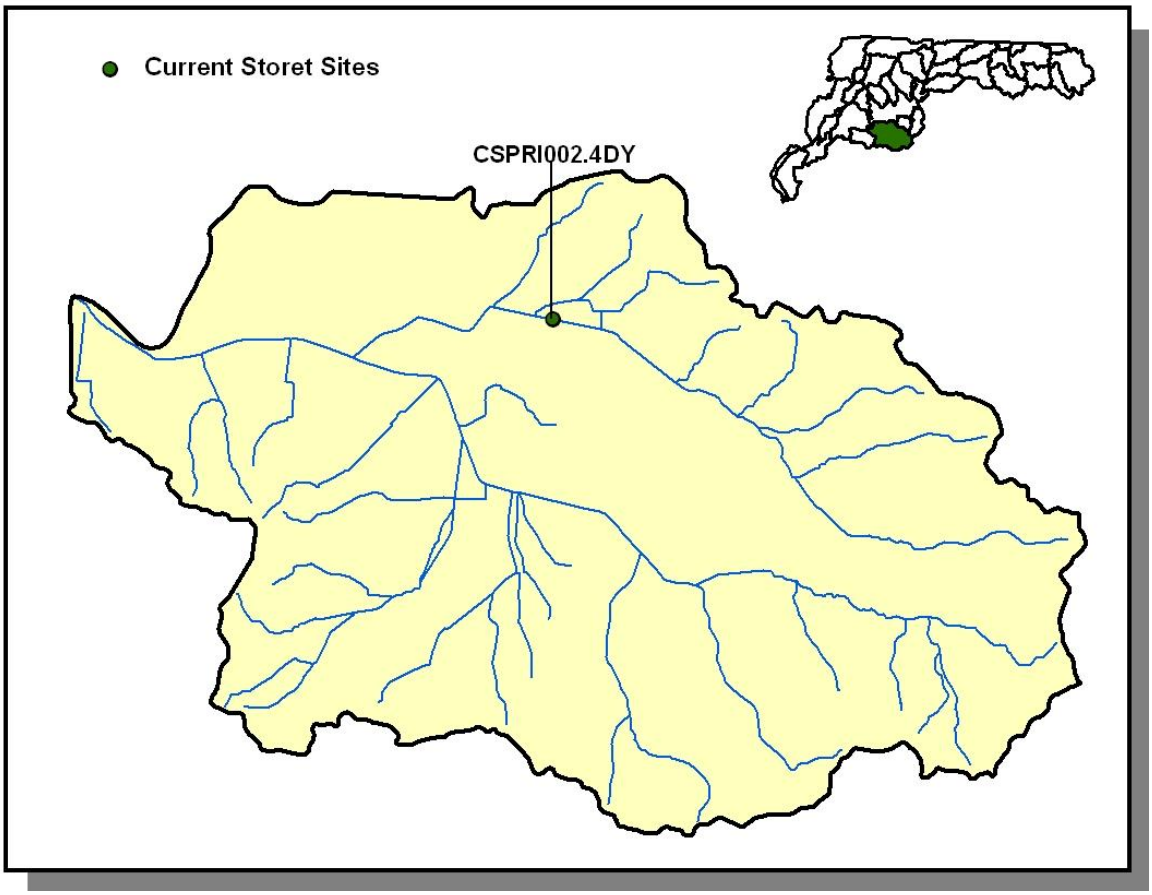

Figure 4-226. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020309. *More information, including site names and locations, is provided in Appendix IV.*

4.2.Z.iii. Permitted Activities.

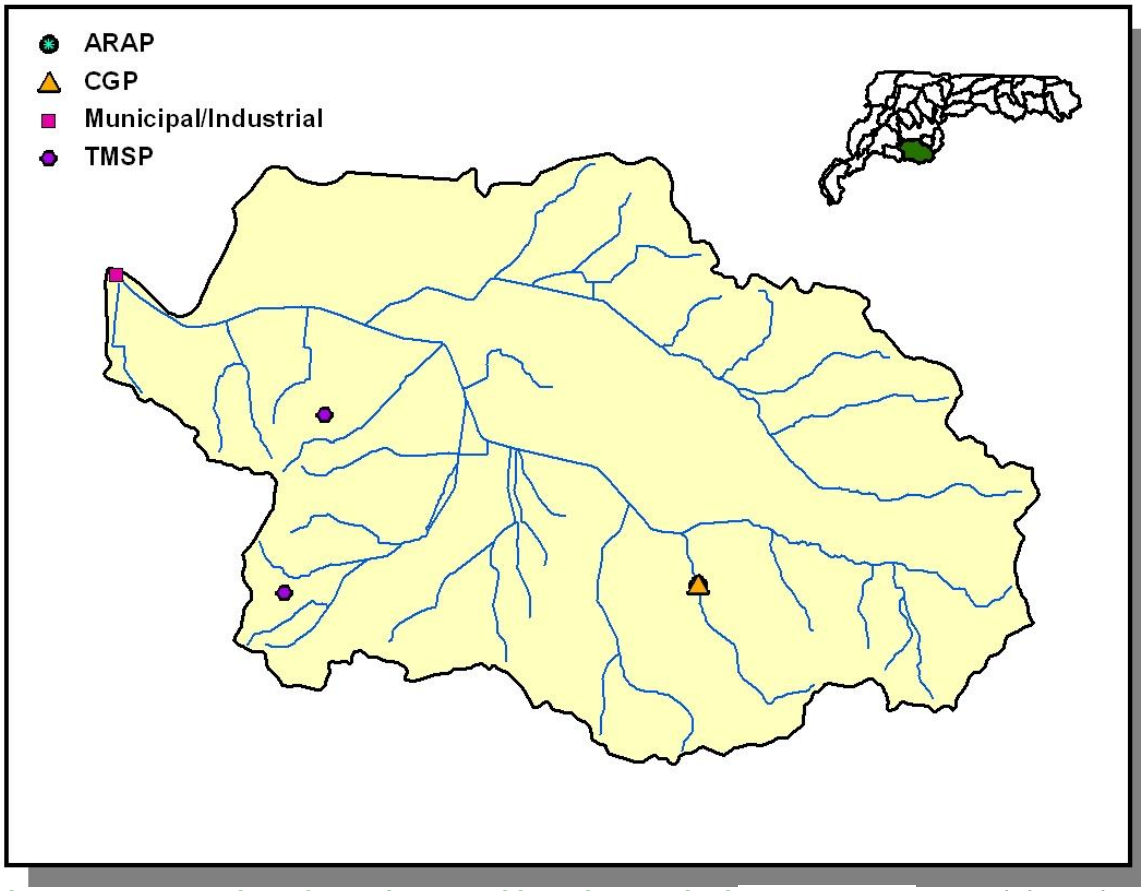

Figure 4-227. Location of Permits Issued in Subwatershed 080102020309. *More information, including the names of facilities, is provided in Appendix IV.*

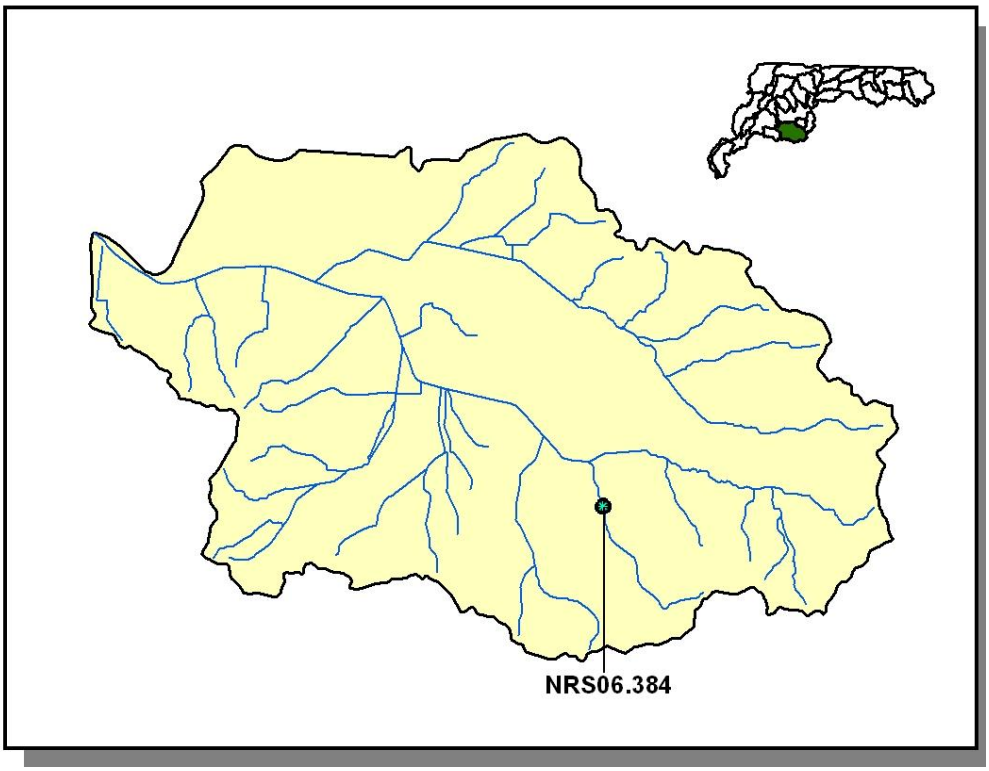

Figure 4-228. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020309. *More information is provided in Appendix IV.*

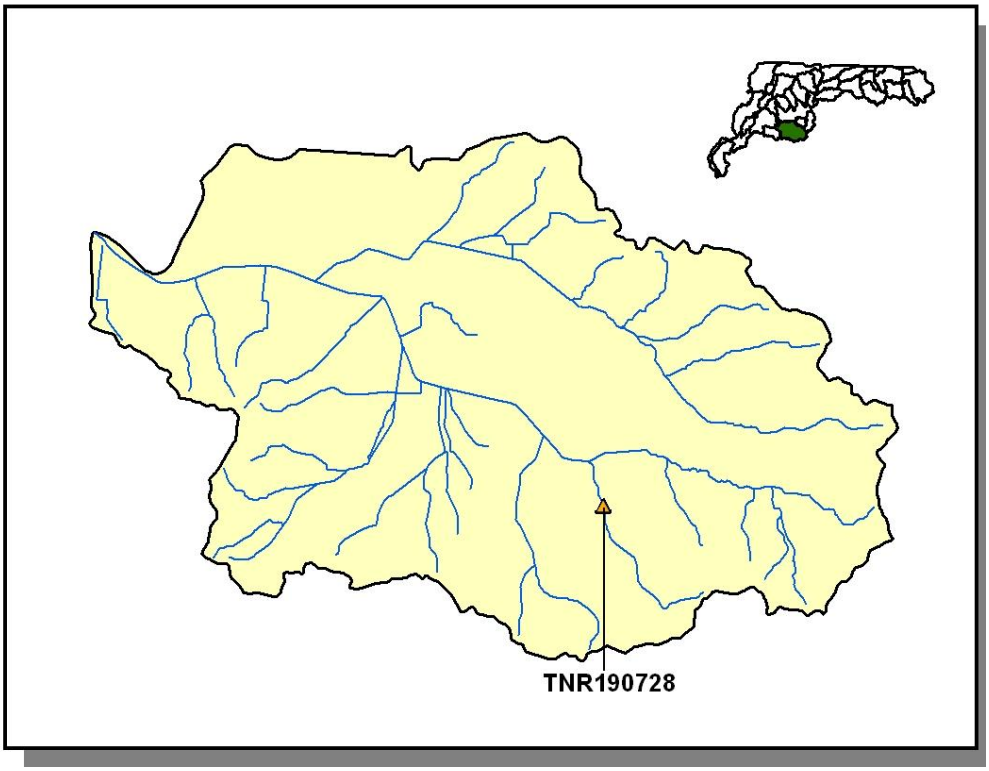

Figure 4-229. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020309. *More information is provided in Appendix IV.*

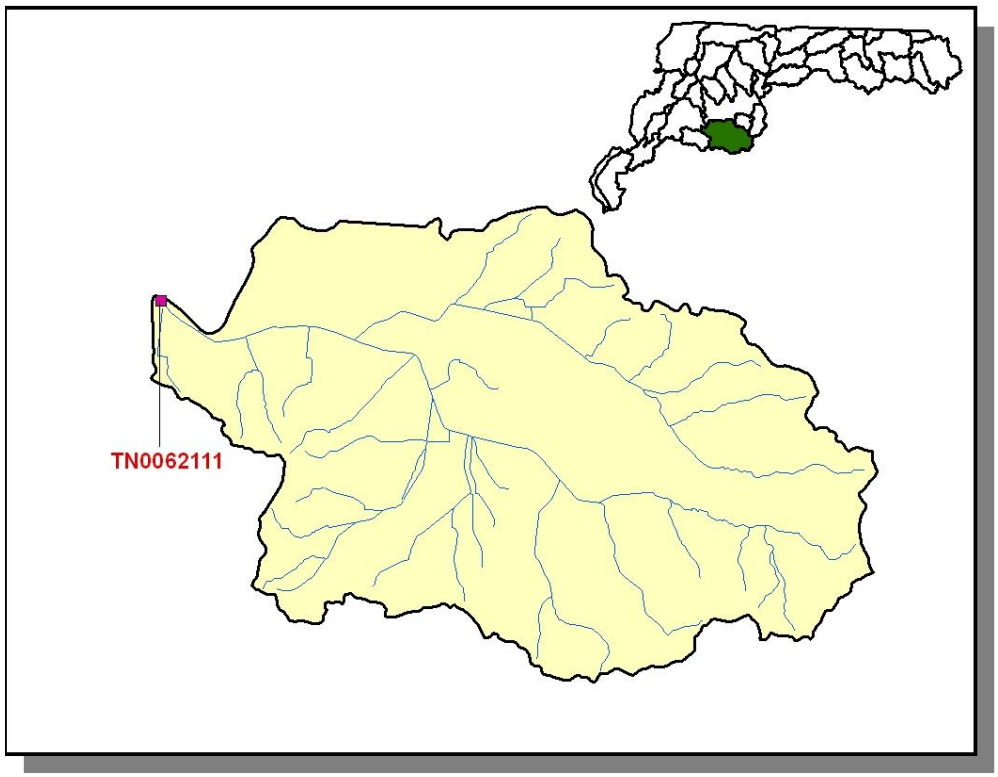

Figure 4-230. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020309. *Permit numbers in red indicate that the facility discharges to a stream listed on the 2006 303(d) list. More information, including the name of the facility is provided in Appendix IV.*

PERMIT #	7Q10	DISCHARGE FLOW
TN0062111	178.0	2.2

Table 4-153. Receiving Stream Flow Information Used for Limit Calculations for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020309. *Data are in million gallons per day (MGD).Data were obtained from permit files.*

PERMIT #	AMMONIA AS N (TOTAL)	$CBOD_5$	CBOD % REMOVAL	TRC
TN0062111	X	X	X	X

Table 4-154. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020309. *$CBOD_5$, Carbonaceous Biochemical Oxygen Demand (5-day); TRC, Total Residual Chlorine.*

PERMIT #	WET	DO	SS	TSS	TSS % REMOVAL	pH	E. *coli*	FLOW
TN0062111	X	X	X	X	X	X	X	X

Table 4-155. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020309. *DO, Dissolved Oxygen; SS, Settleable Solids; TSS, Total Suspended Solids.*

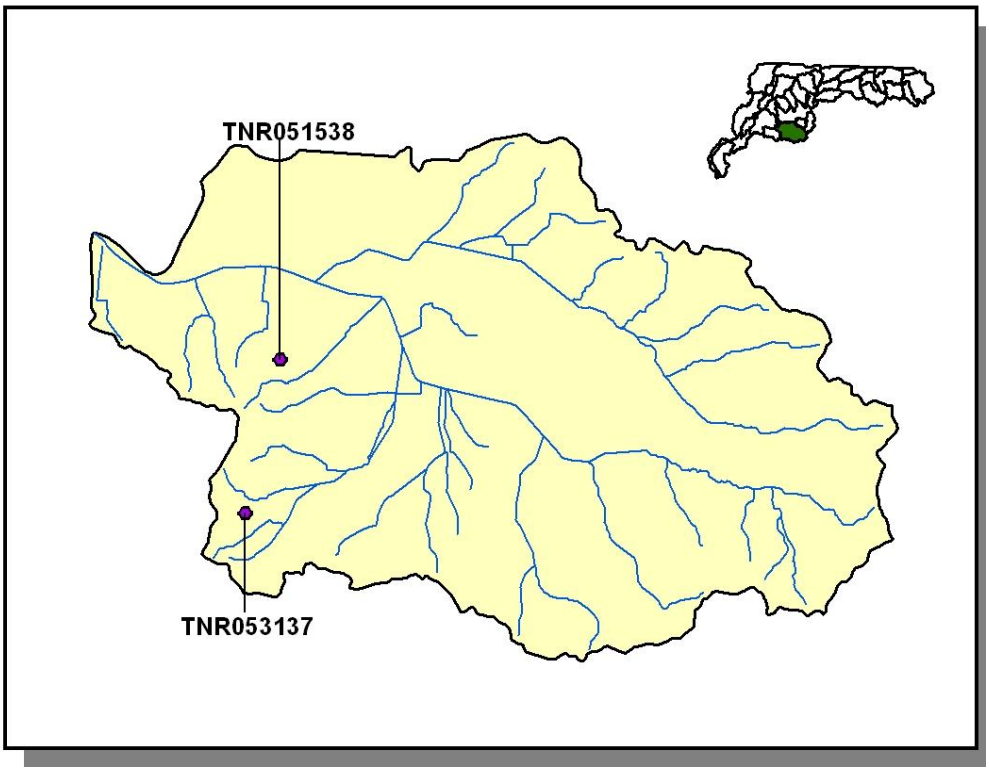

Figure 4-231. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020309. *More information is provided in Appendix IV.*

4.2.Z.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Gibson	9,766	21,779	221	605	7,506	74
Obion	8,033	18,503	118	7	21,149	205

Table 4-156. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8
Gibson	36.4	36.4	2.0	8.6
Obion	67.6	67.6	4.4	20.8

Table 4-157. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Cotton (Row Crops)	9.67
Corn (Row Crops)	8.97
Soybeans (Row Crops)	6.72
Sorghum (Row Crops)	6.05
Wheat (Close Grown Cropland)	3.98
Oats (Close Grown Cropland)	3.34
Other Land in Farms	1.34
Other Cropland not Planted	1.20
Grass (Pastureland)	1.14
Farmsteads and Ranch Headquarters	0.91
Grass Forbs Legumes Mixed (Pastureland)	0.56
Conservation Reserve Program Land	0.43
Grass (Hayland)	0.22
Legume (Pastureland)	0.07

Table 4-158. Annual Estimated Total Soil Loss in Subwatershed 080102020309.

4.2.AA. 080102020310 (Biffle Creek).

4.2.AA.i. General Description.

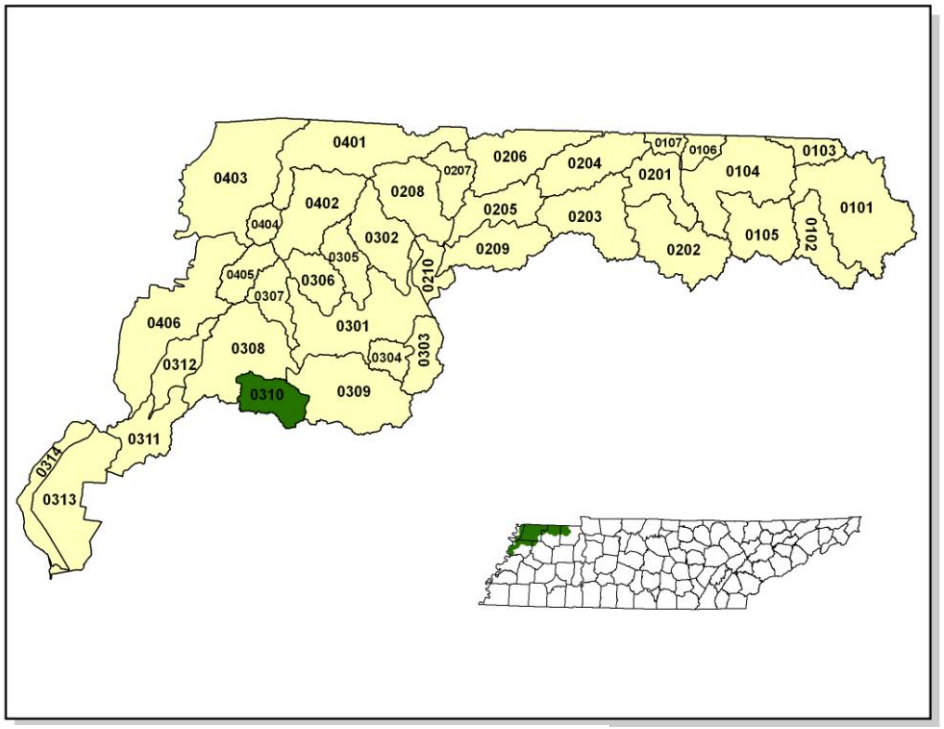

Figure 4-232. Location of Subwatershed 080102020310. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

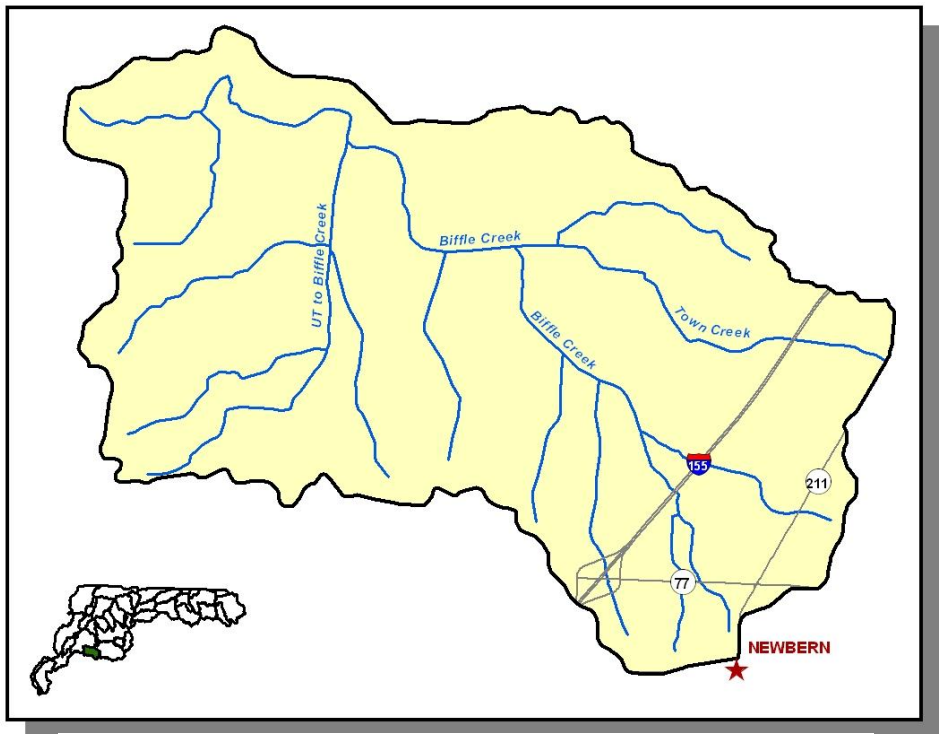

Figure 4-233. Locational Details of Subwatershed 080102020310.

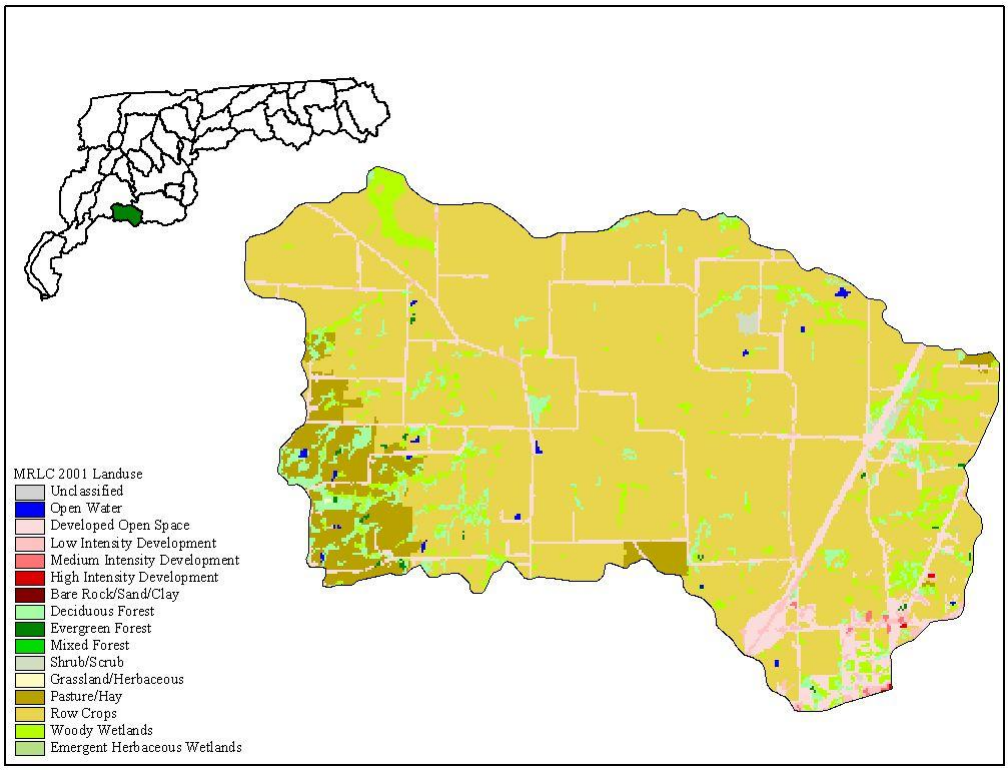

Figure 4-234. Illustration of Land Use Distribution in Subwatershed 080102020310.

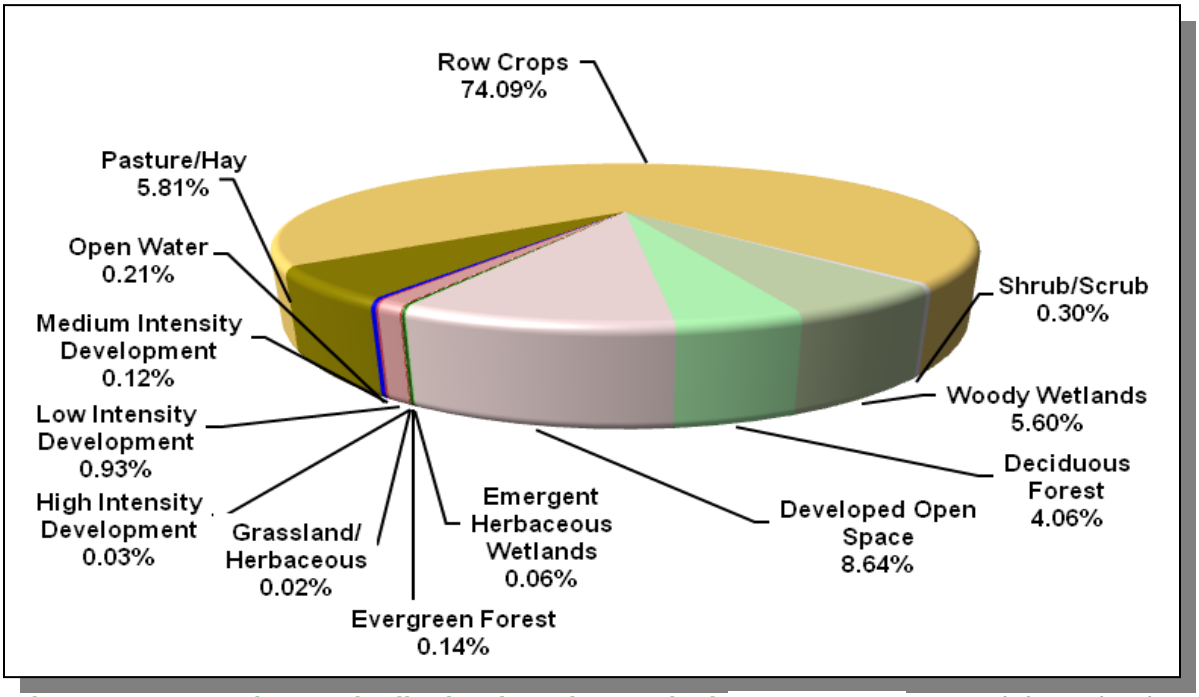

Figure 4-235. Land Use Distribution in Subwatershed 080102020310. *More information is provided in Appendix IV.*

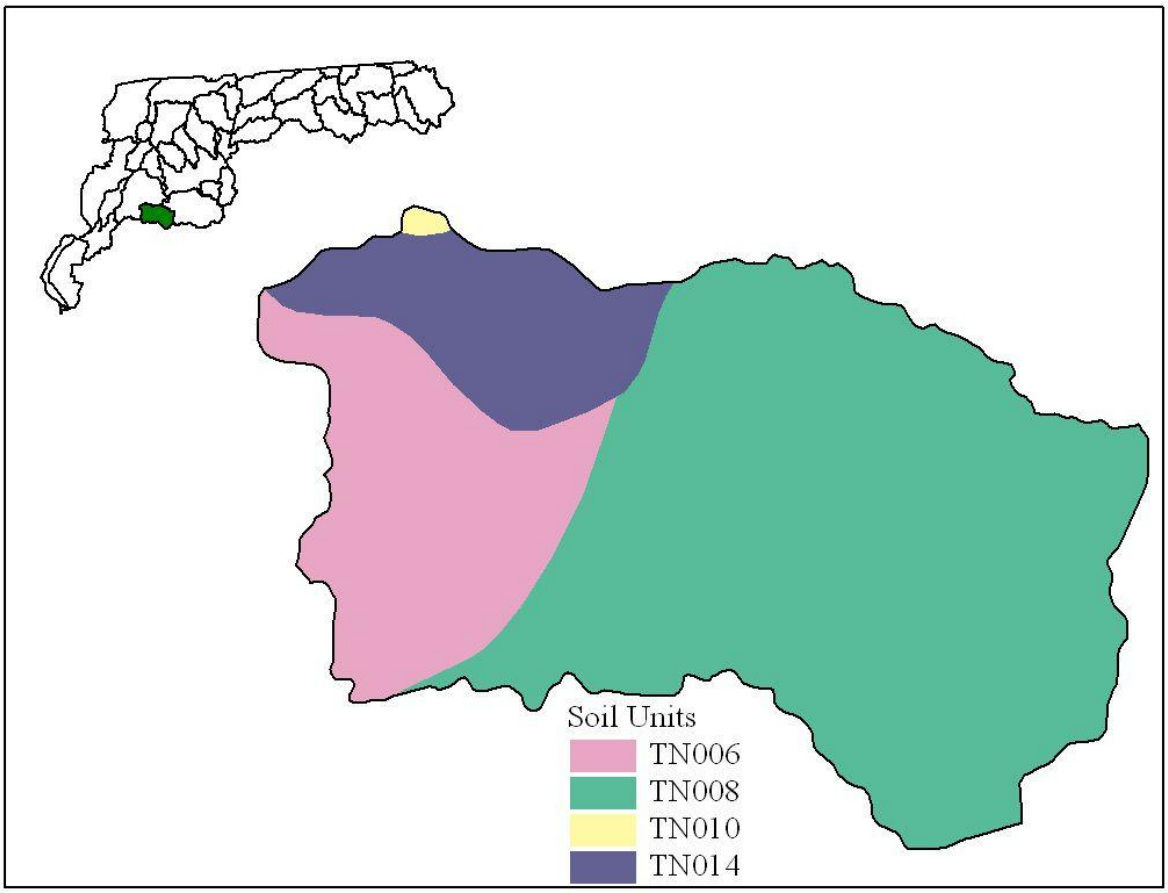

Figure 4-236. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020310.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

Table 4-159. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020310. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	3.61	1,258	1,316	1,346	7.00

Table 4-160. Population Estimates in Subwatershed 080102020310.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Newbern	Dyer	2,514	1,052	994	58	0

Table 4-161. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020310.

4.2.AA.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020310.

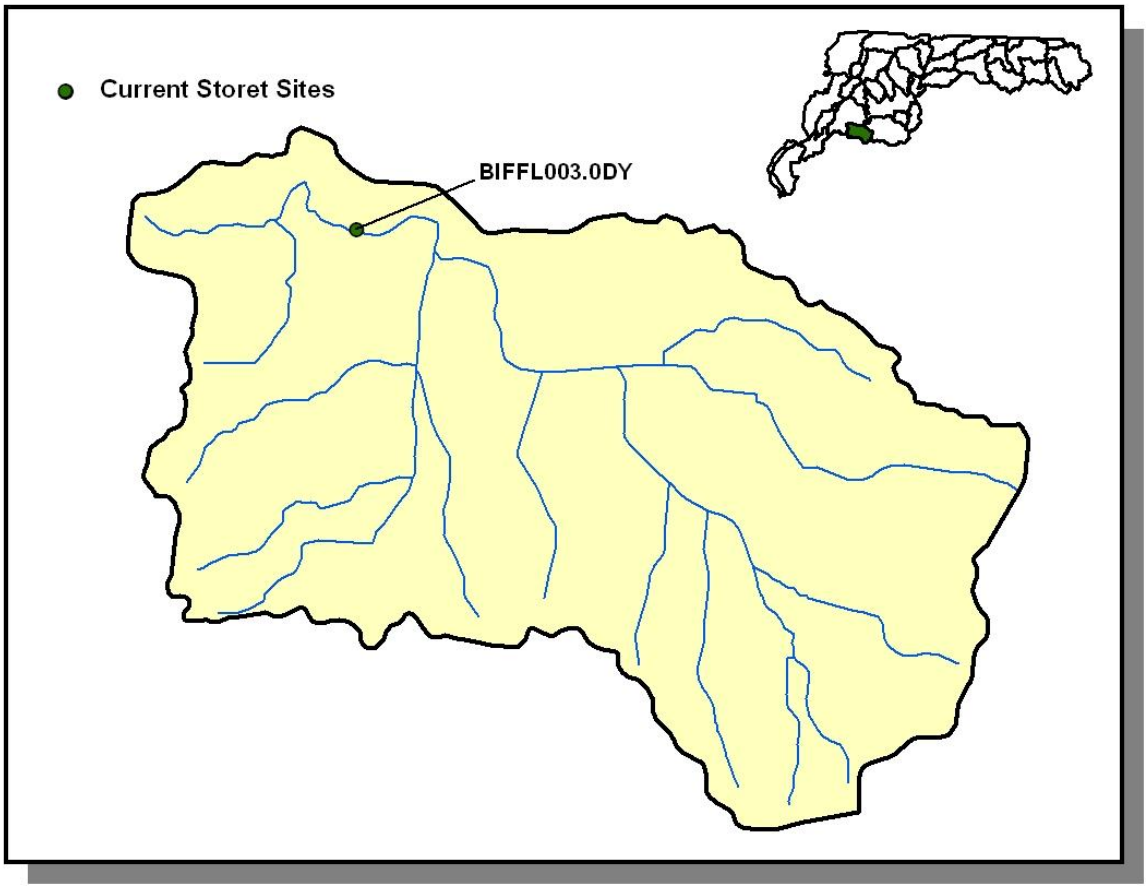

Figure 4-237. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020310. *More information, including site names and locations, is provided in Appendix IV.*

4.2.AA.iii. Permitted Activities.

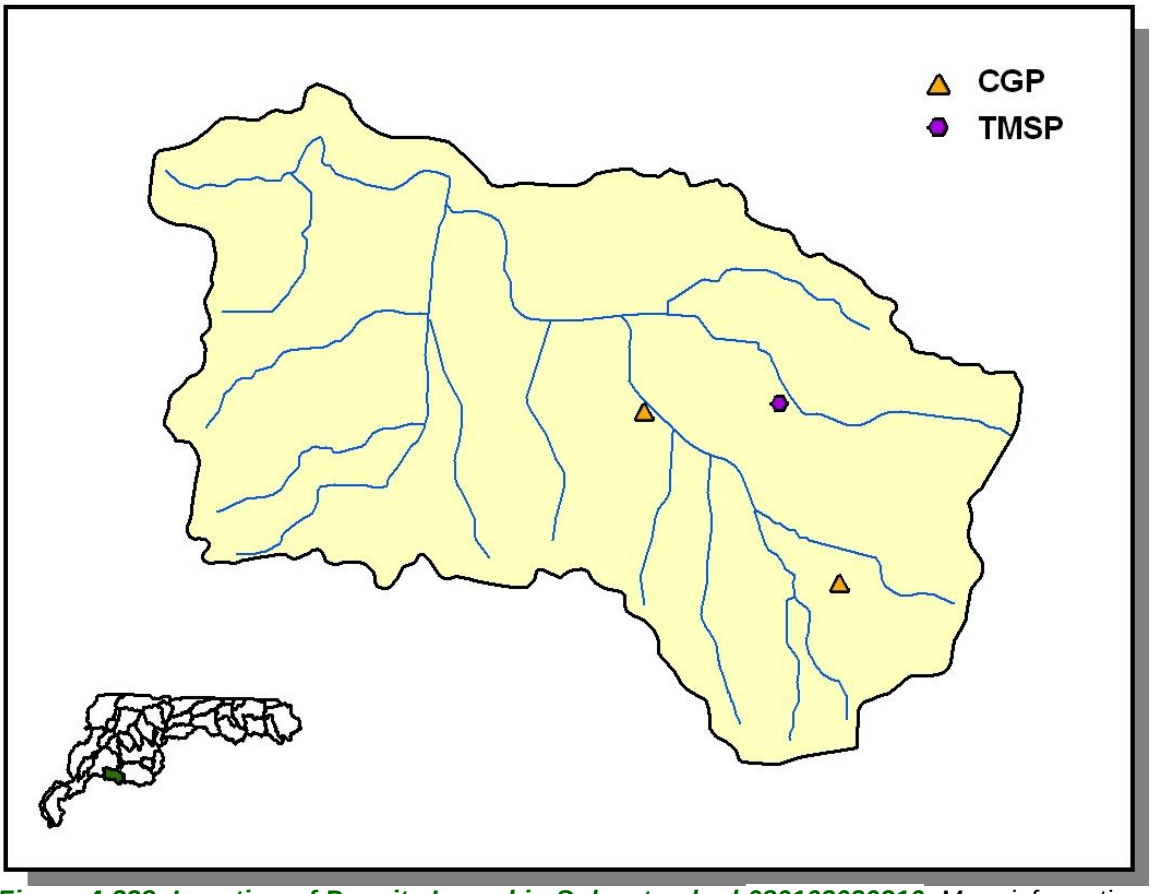

Figure 4-238. Location of Permits Issued in Subwatershed 080102020310. *More information, including the names of facilities, is provided in Appendix IV.*

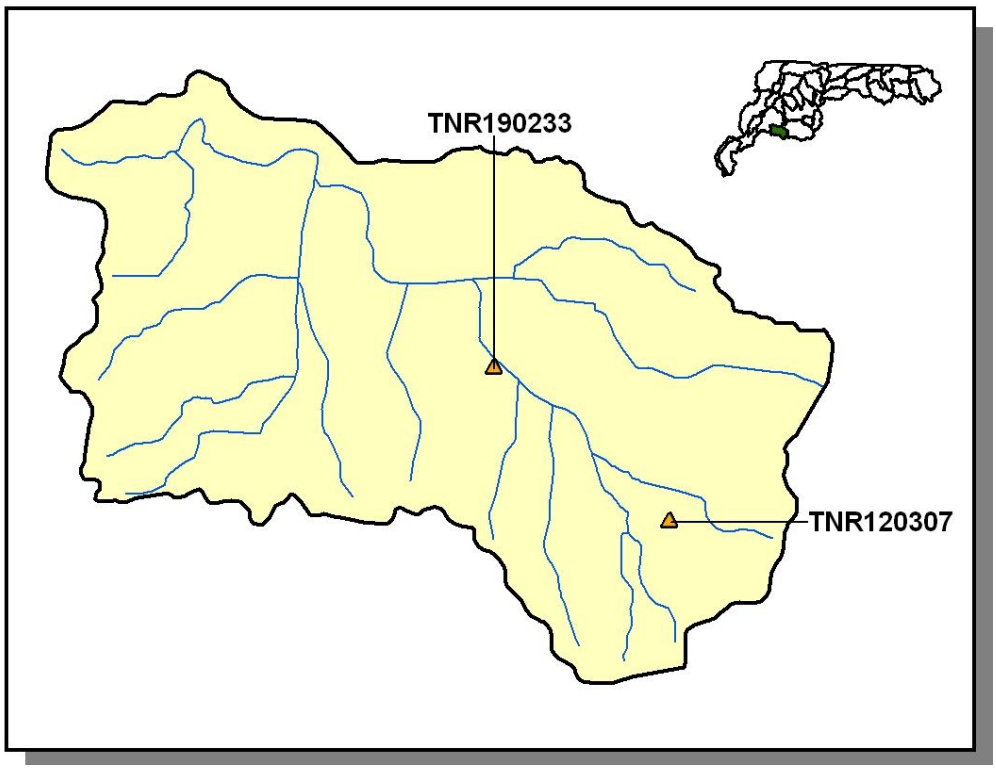

Figure 4-239. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020310. *More information is provided in Appendix IV.*

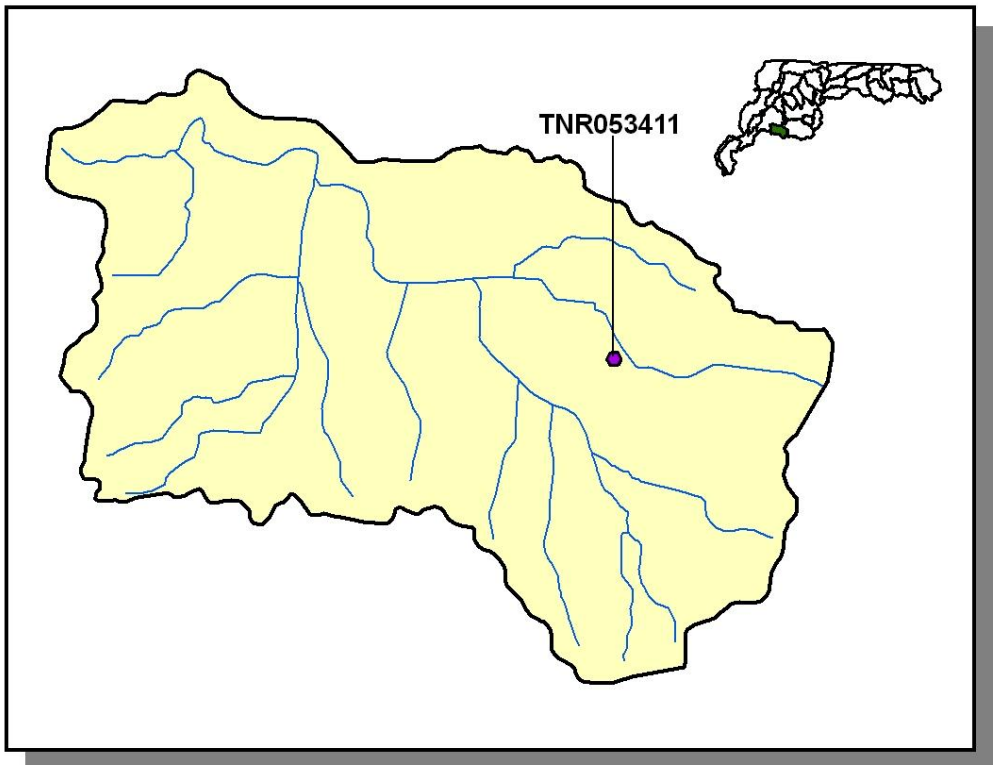

Figure 4-240. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020310. *More information is provided in Appendix IV.*

4.2.AA.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,211	

Table 4-162. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8

Table 4-163. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	7.44
Sorghum (Row Crops)	5.90
Soybeans (Row Crops)	5.60
Cotton (Row Crops)	5.30
Wheat (Close Grown Cropland)	3.88
Oats (Close Grown Cropland)	3.34
Grass (Pastureland)	1.66
Other Cropland not Planted	1.36
Farmsteads and Ranch Headquarters	1.24
Conservation Reserve Program Land	0.39
Grass Forbs Legumes Mixed (Pastureland)	0.36
Grass (Hayland)	0.14

Table 4-164. Annual Estimated Total Soil Loss in Subwatershed 080102020310.

4.2.BB. 080102020311 (Obion River).

4.2.BB.i. General Description.

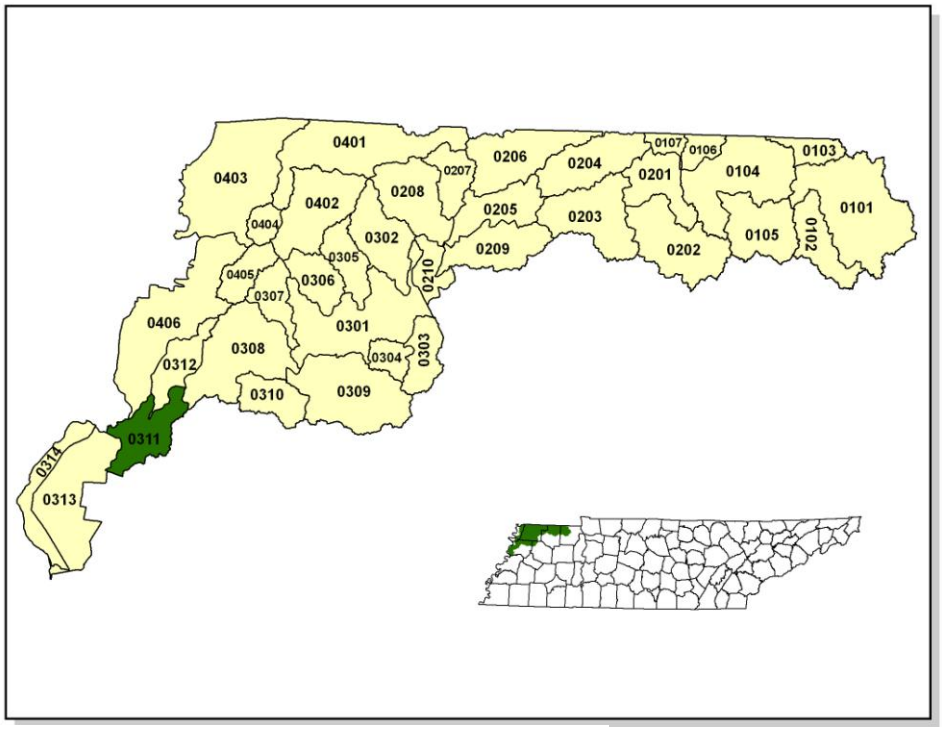

Figure 4-241. Location of Subwatershed 080102020311. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

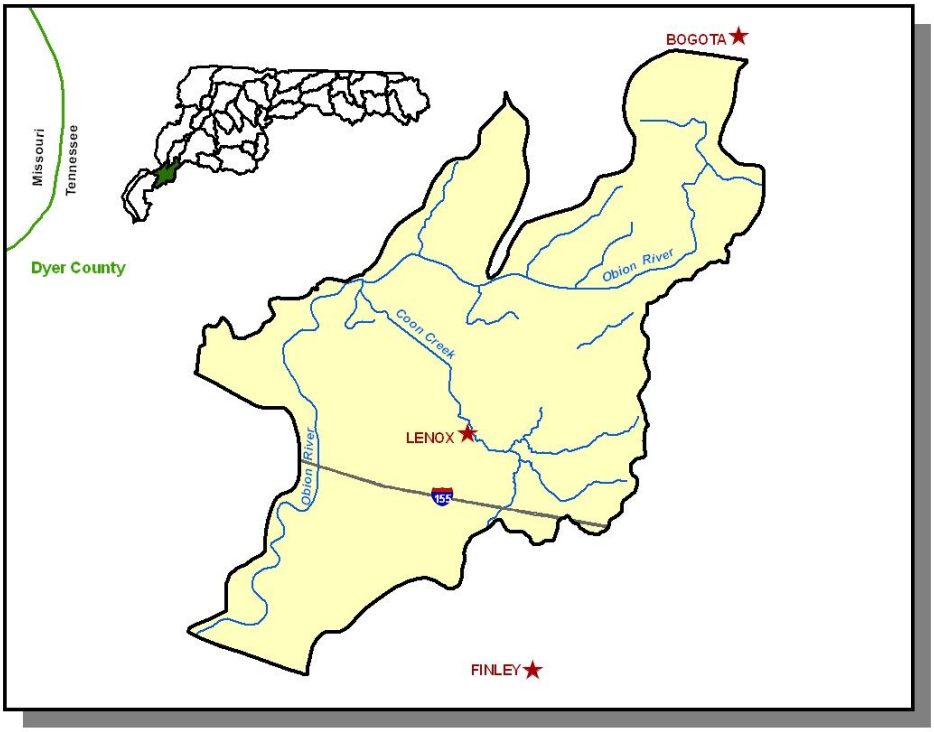

Figure 4-242. Locational Details of Subwatershed 080102020311.

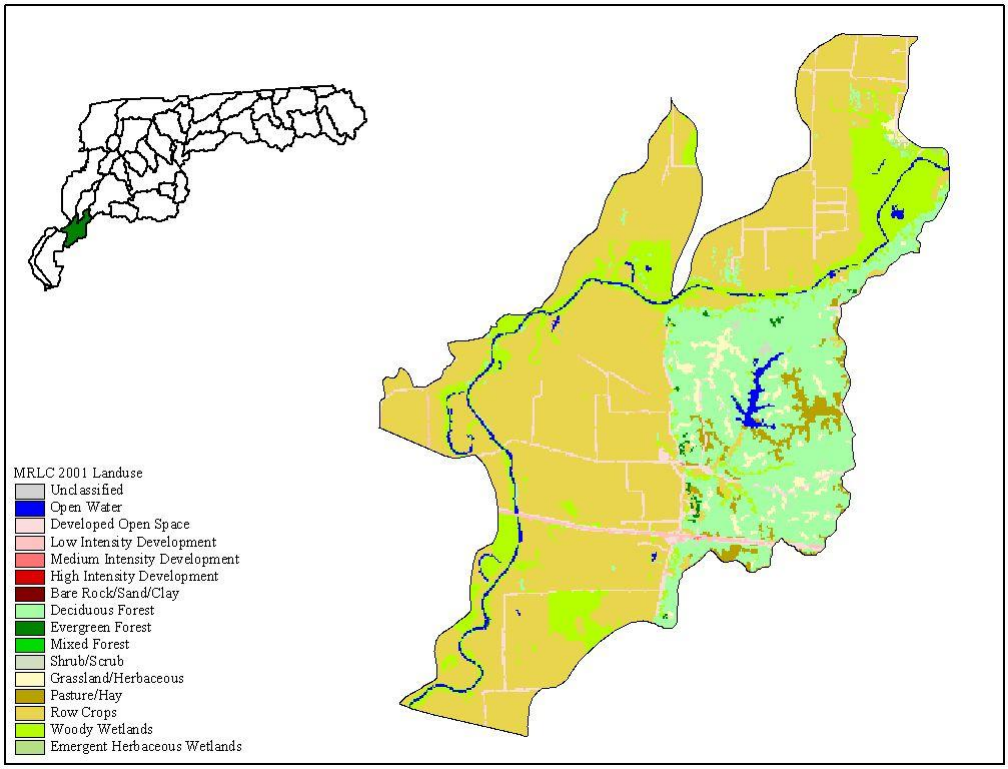

Figure 4-243. Illustration of Land Use Distribution in Subwatershed 080102020311.

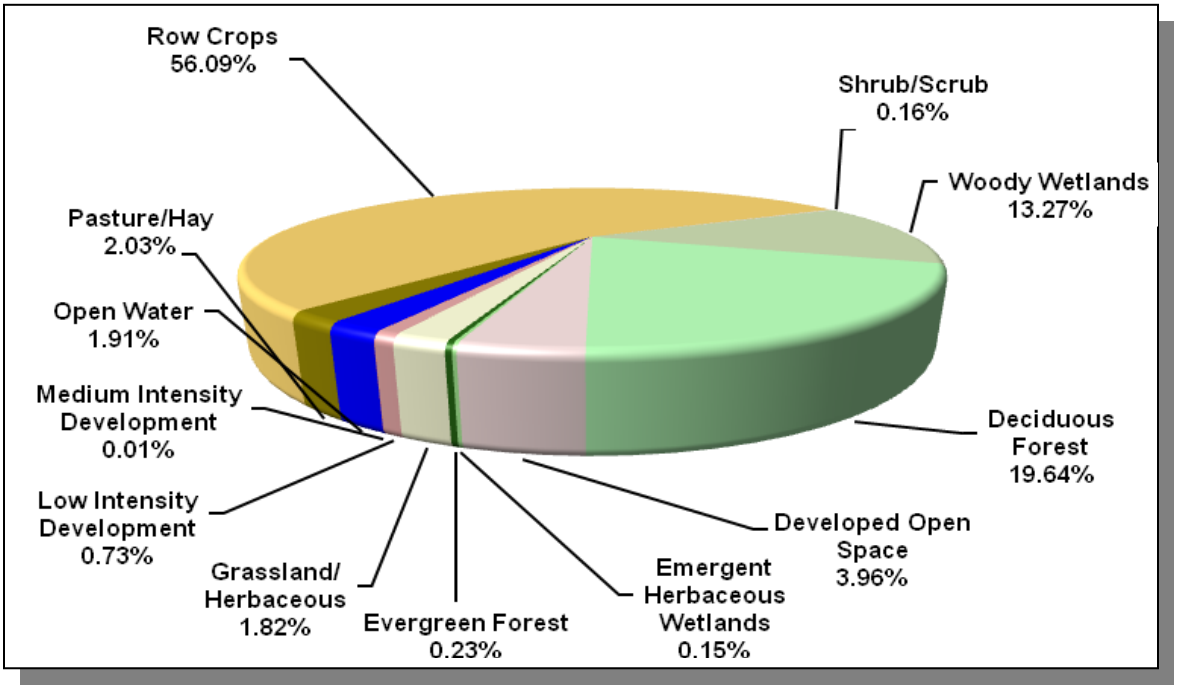

Figure 4-244. Land Use Distribution in Subwatershed 080102020311. *More information is provided in Appendix IV.*

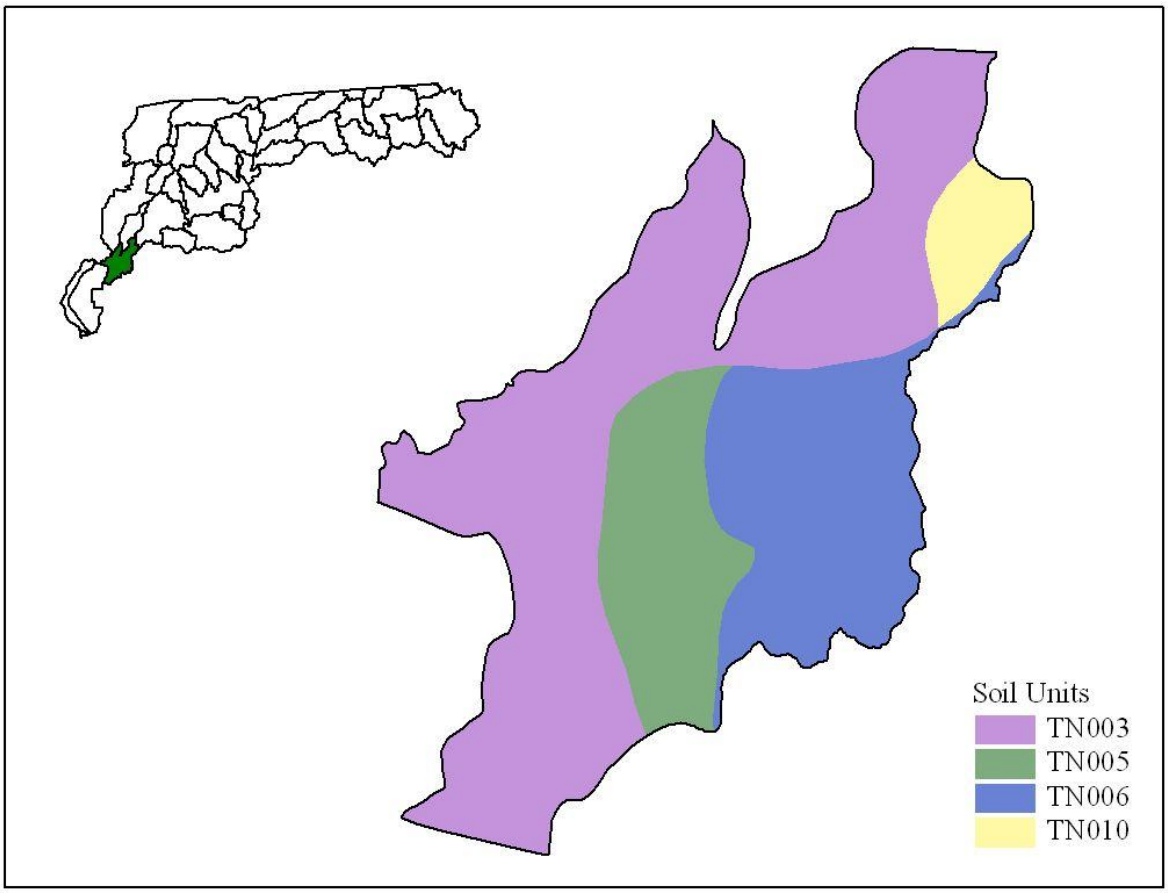

Figure 4-245. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020311.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN003	62.00	C	0.50	6.65	Silty Clay	0.33
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

Table 4-165. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020311. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	5.01	1,745	1,826	1,867	7.00

Table 4-166. Population Estimates in Subwatershed 080102020311.

4.2.BB.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020311.

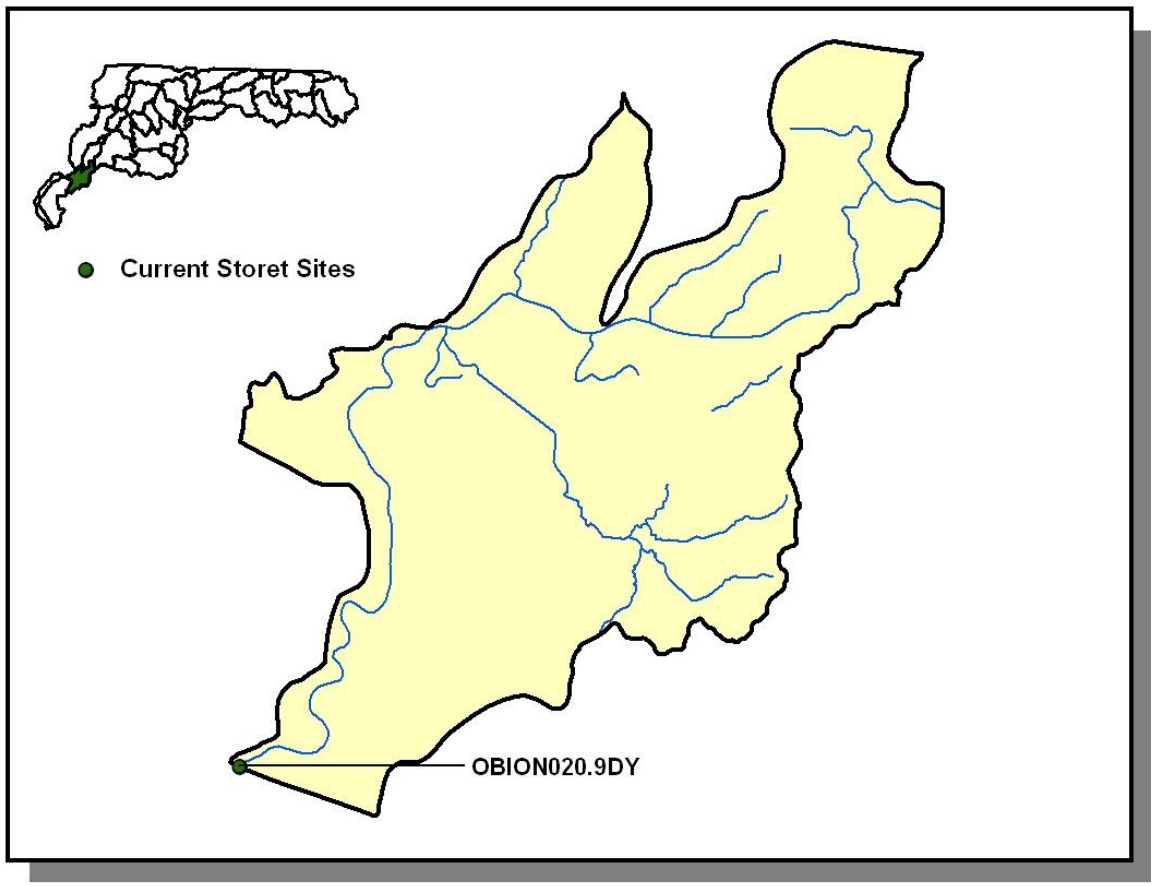

Figure 4-246. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020311. *More information, including site names and locations, is provided in Appendix IV.*

4.2.BB.iii. Permitted Activities.

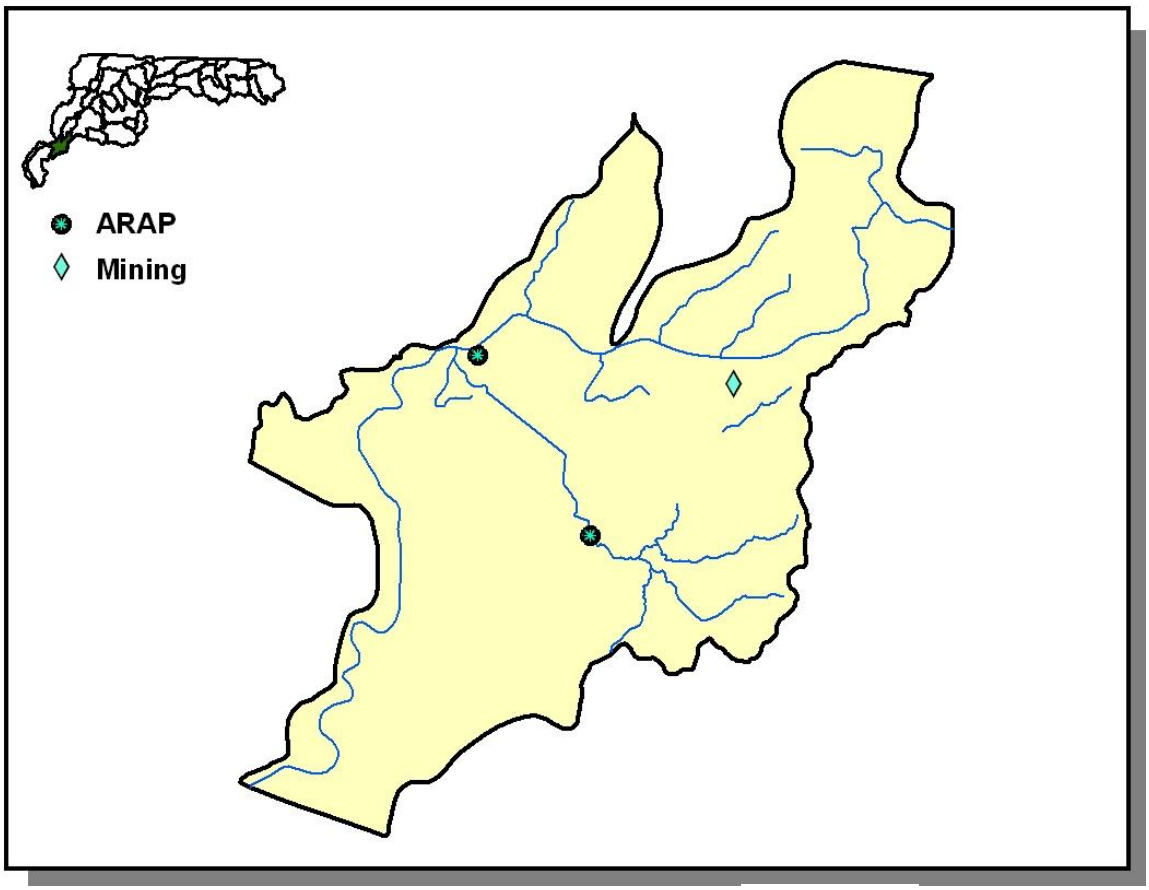

Figure 4-247. Location of Permits Issued in Subwatershed 080102020311. *More information, including the names of facilities, is provided in Appendix IV.*

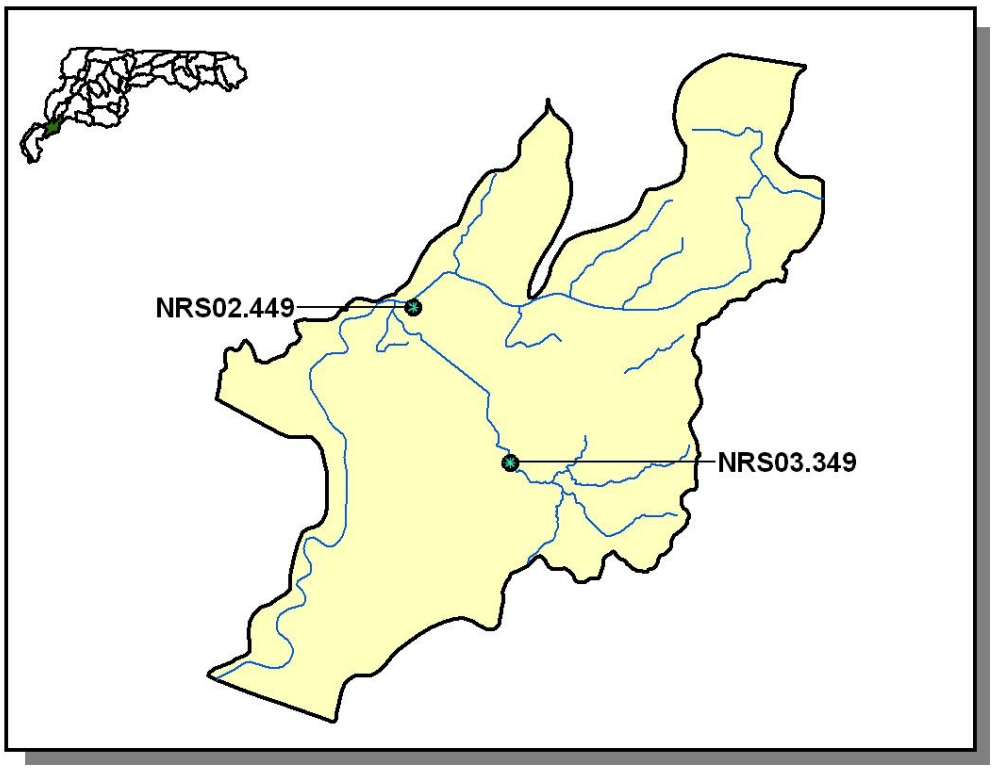

Figure 4-248. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020311. *More information is provided in Appendix IV.*

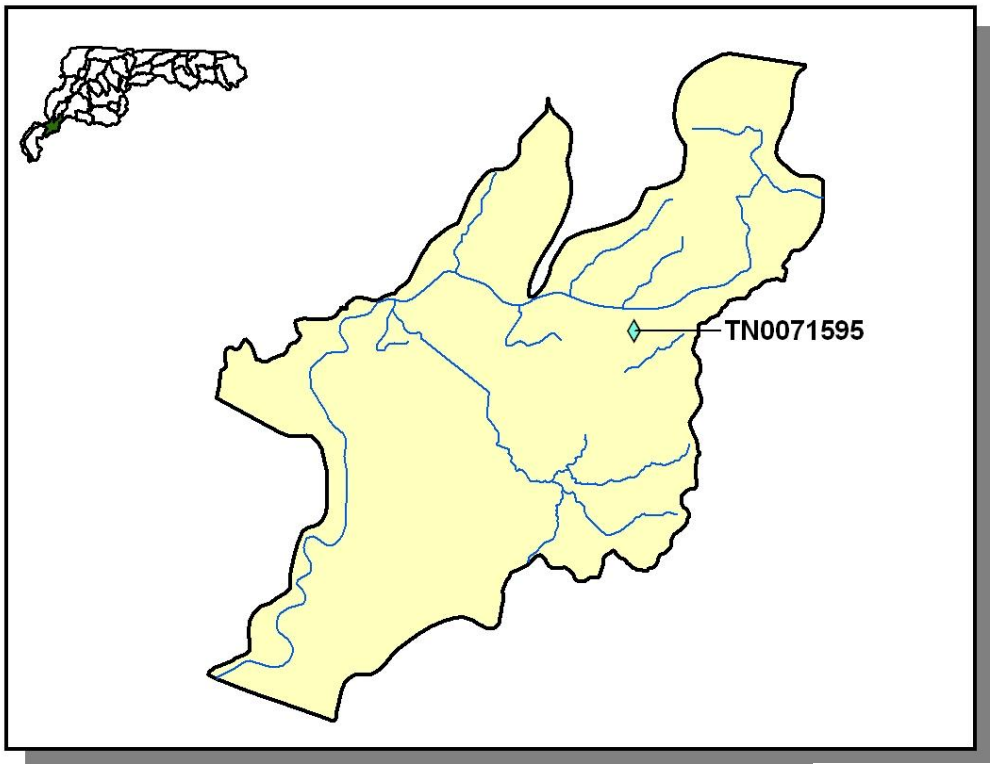

Figure 4-249. Location of Permitted Mining Facilities in Subwatershed 080102020311. *More information is provided in Appendix IV.*

4.2.BB.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	

Table 4-167. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8

Table 4-168. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	7.44
Sorghum (Row Crops)	5.90
Soybeans (Row Crops)	5.60
Cotton (Row Crops)	5.30
Wheat (Close Grown Cropland)	3.88
Oats (Close Grown Cropland)	3.34
Grass (Pastureland)	1.66
Other Cropland not Planted	1.36
Farmsteads and Ranch Headquarters	1.24
Conservation Reserve Program Land	0.39
Grass Forbs Legumes Mixed (Pastureland)	0.36
Grass (Hayland)	0.14
Corn (Row Crops)	7.44
Sorghum (Row Crops)	5.90

Table 4-169. Annual Estimated Total Soil Loss in Subwatershed 080102020311.

4.2.CC. 080102020312 (Ray's Creek).

4.2.CC.i. General Description.

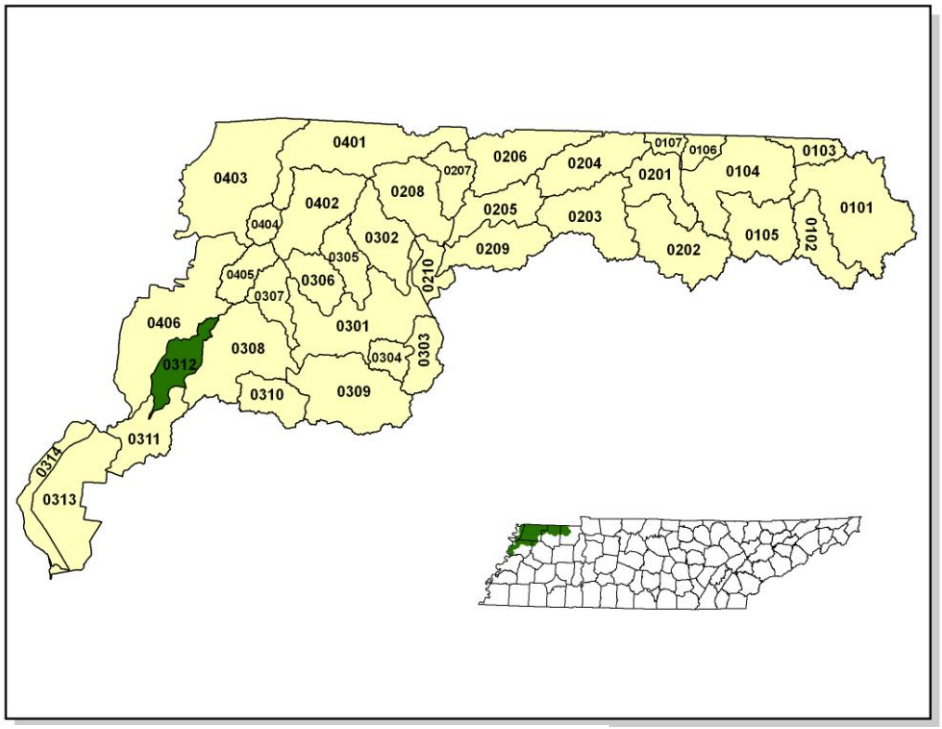

Figure 4-250. Location of Subwatershed 080102020312. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

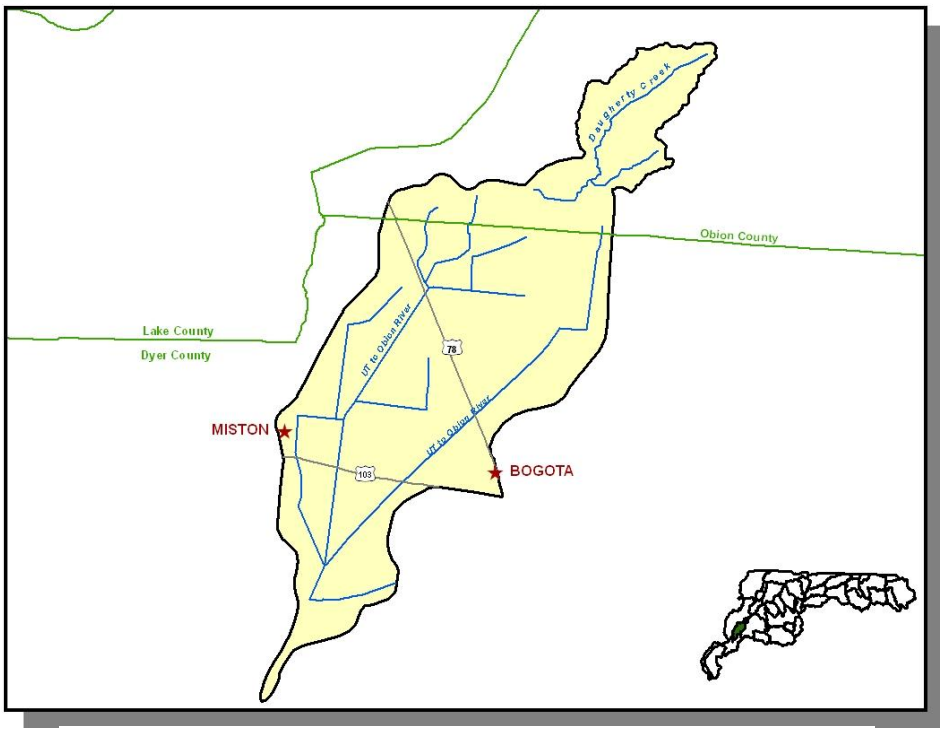

Figure 4-251. Locational Details of Subwatershed 080102020312.

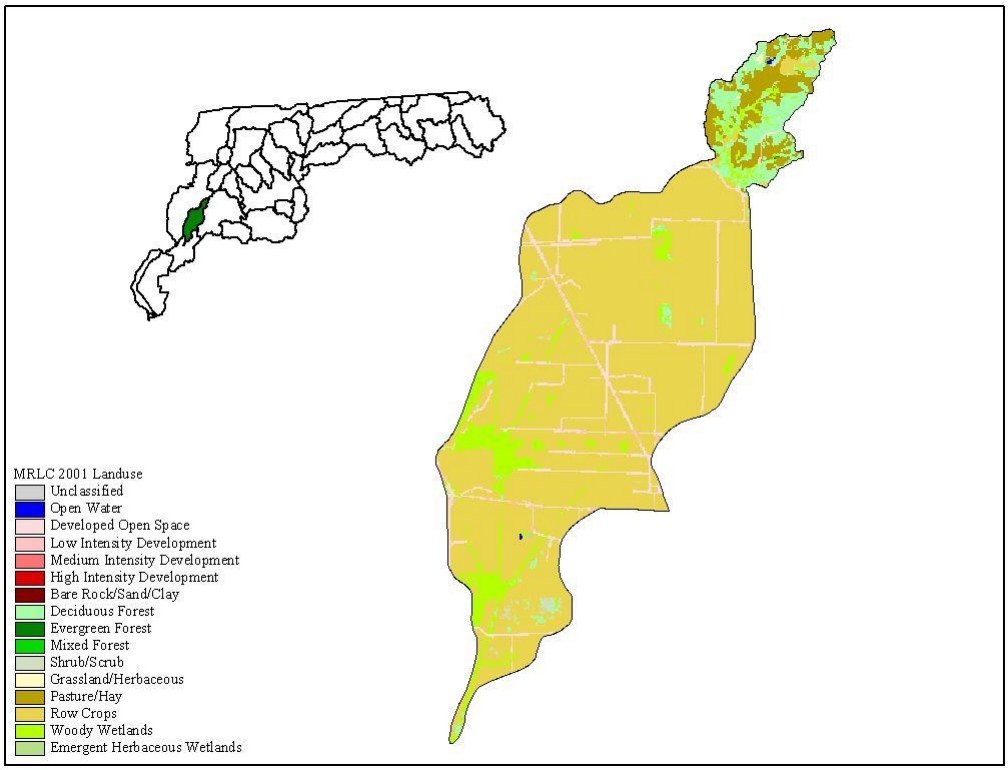

Figure 4-252. Illustration of Land Use Distribution in Subwatershed 080102020312.

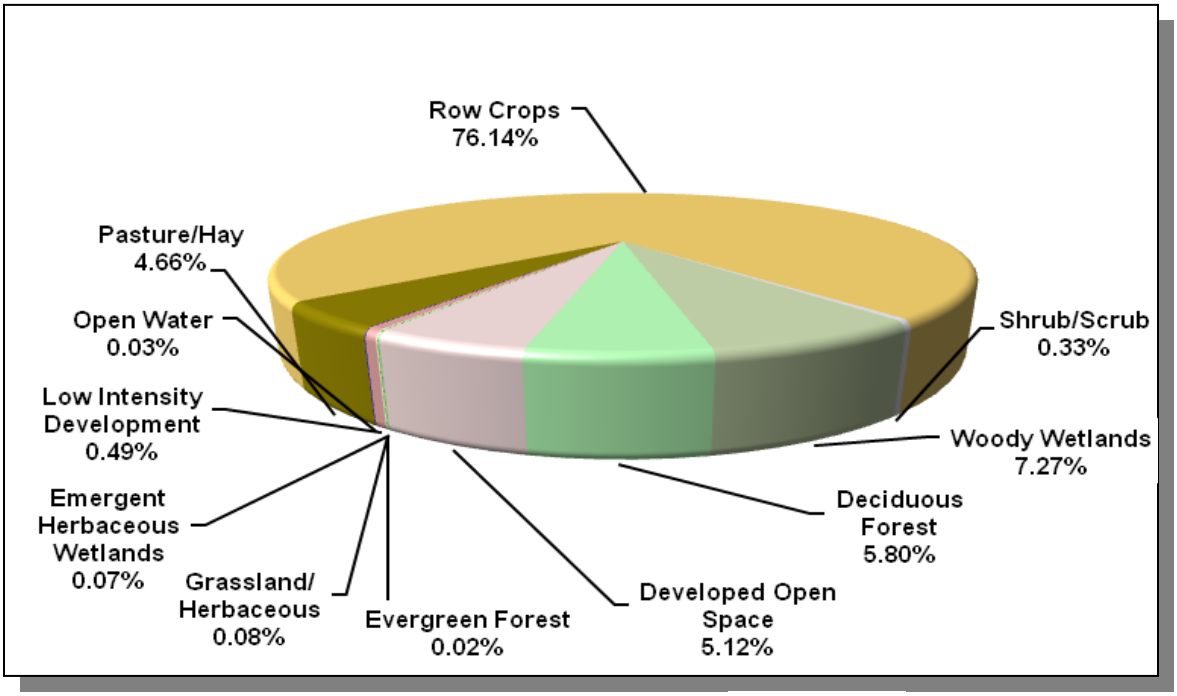

Figure 4-253. Land Use Distribution in Subwatershed 080102020312. *More information is provided in Appendix IV.*

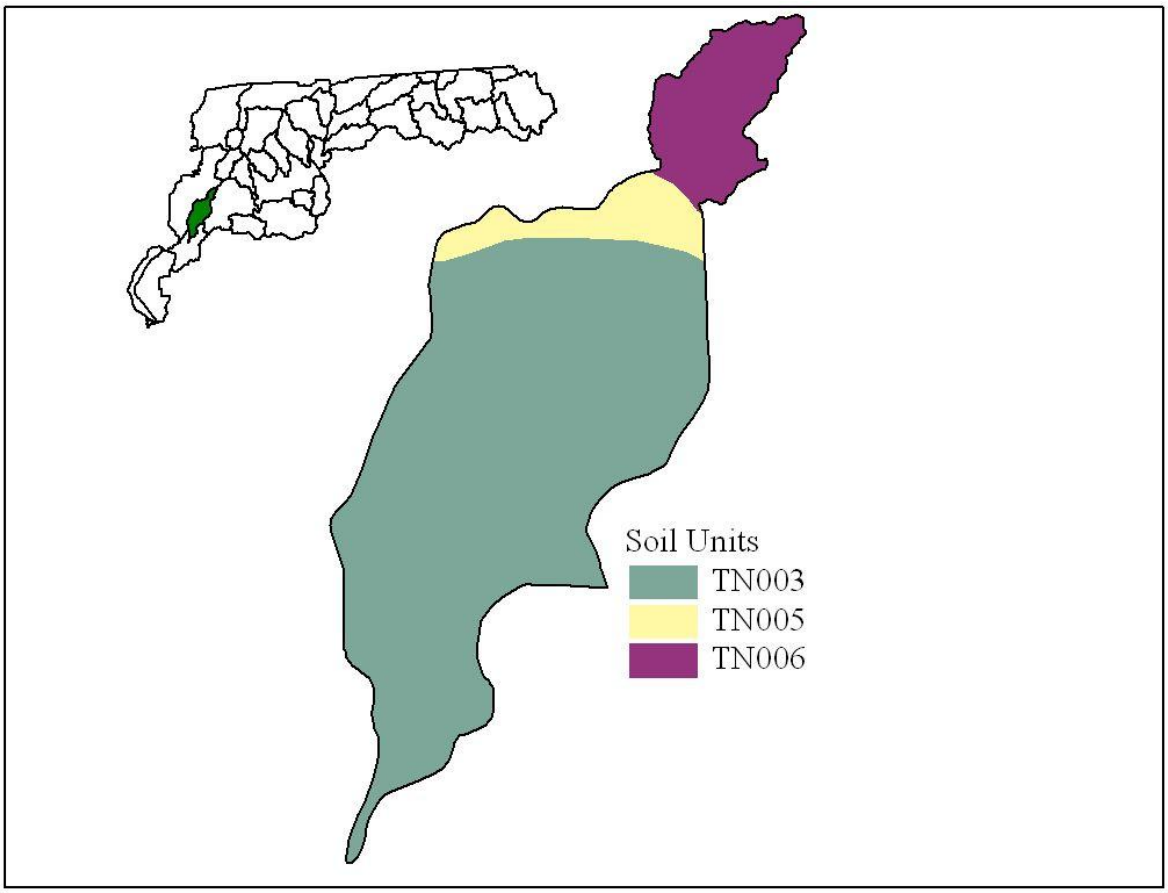

Figure 4-254. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020312.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN003	62.00	C	0.50	6.65	Silty Clay	0.33
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48

Table 4-170. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020312. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	2.88	1,002	1,049	1,072	7.00
Obion	31,717	32,069	32,450	0.64	204	206	209	2.50
Totals	**66,571**	**68,534**	**69,729**		**1,206**	**1,255**	**1,281**	**6.20**

Table 4-171. Population Estimates in Subwatershed 080102020312.

4.2.CC.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020312.

4.2.CC.iii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020312 as of June 30th, 2007.

4.2.CC.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Obion	8,033	18,503	118	7	21,149	205

Table 4-172. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8
Obion	67.6	67.6	4.4	20.8

Table 4-173. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	6.85
Soybeans (Row Crops)	6.07
Cotton (Row Crops)	5.38
Sorghum (Row Crops)	5.30
Wheat (Close Grown Cropland)	5.01
Other Cropland not Planted	3.83
Oats (Close Grown Cropland)	3.34
Grass (Pastureland)	1.47
Farmsteads and Ranch Headquarters	1.03
Conservation Reserve Program Land	0.68
Grass Forbs Legumes Mixed (Pastureland)	0.46
Grass (Hayland)	0.21
Legume (Pastureland)	0.07

Table 4-174. Annual Estimated Total Soil Loss in Subwatershed 080102020312.

4.2.DD. 080102020313 (Obion River).

4.2.DD.i. General Description.

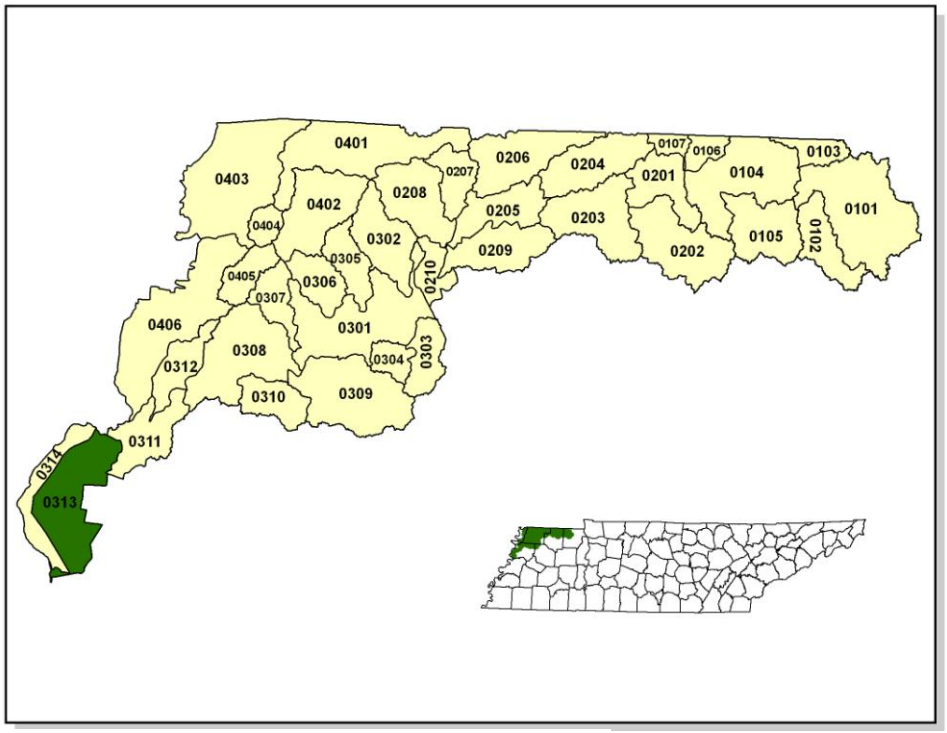

Figure 4-255. Location of Subwatershed 080102020313. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

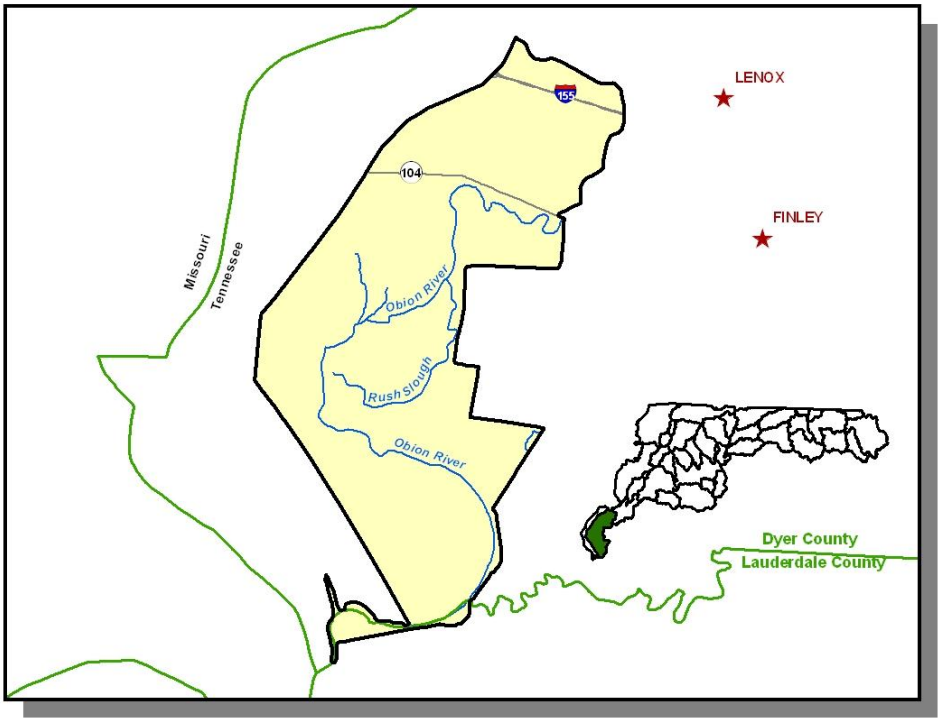

Figure 4-256. Locational Details of Subwatershed 080102020313.

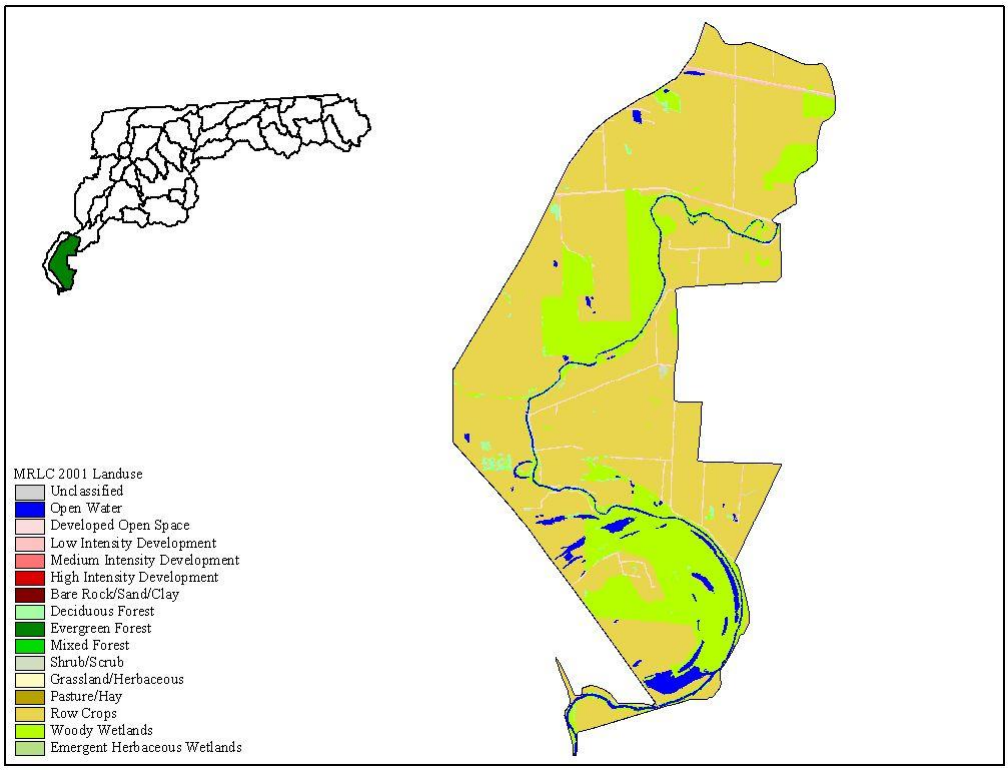

Figure 4-257. Illustration of Land Use Distribution in Subwatershed 080102020313.

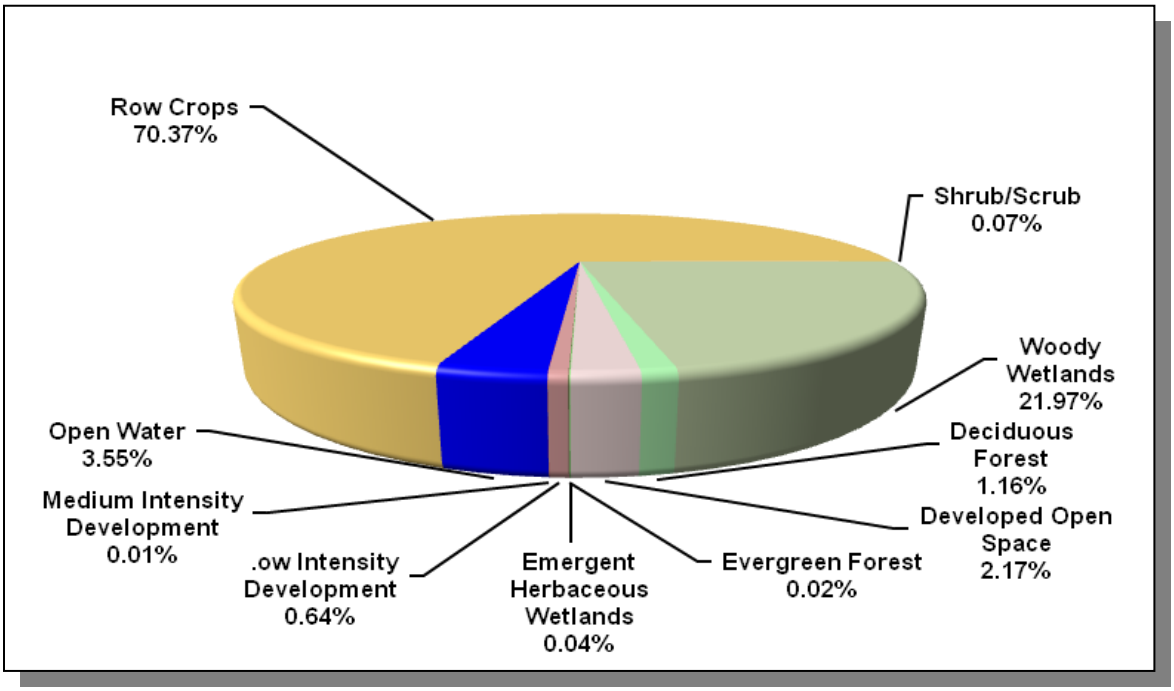

Figure 4-258. Land Use Distribution in Subwatershed 080102020313. *More information is provided in Appendix IV.*

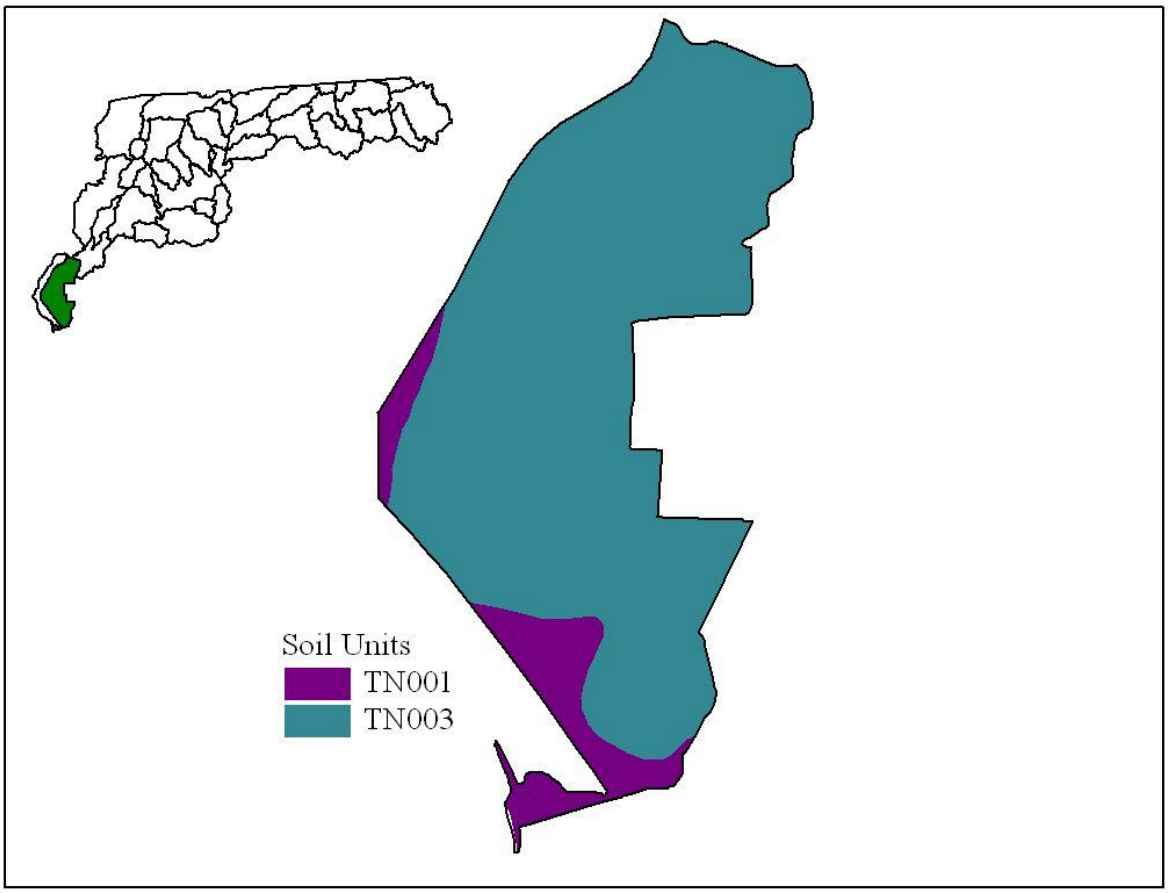

Figure 4-259. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020313.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN001	14.00	C	2.31	7.00	Silty Loam	0.33
TN003	62.00	C	0.50	6.65	Silty Clay	0.33

Table 4-175. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020313. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	9.08	3,164	3,310	3,384	7.00
Lauderdale	23,491	24,128	27,101	0.18	43	44	50	16.30
Totals	**58,345**	**60,593**	**64,380**		**3,207**	**3,354**	**3,434**	**7.10**

Table 4-176. Population Estimates in Subwatershed 080102020313.

4.2.DD.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020313.

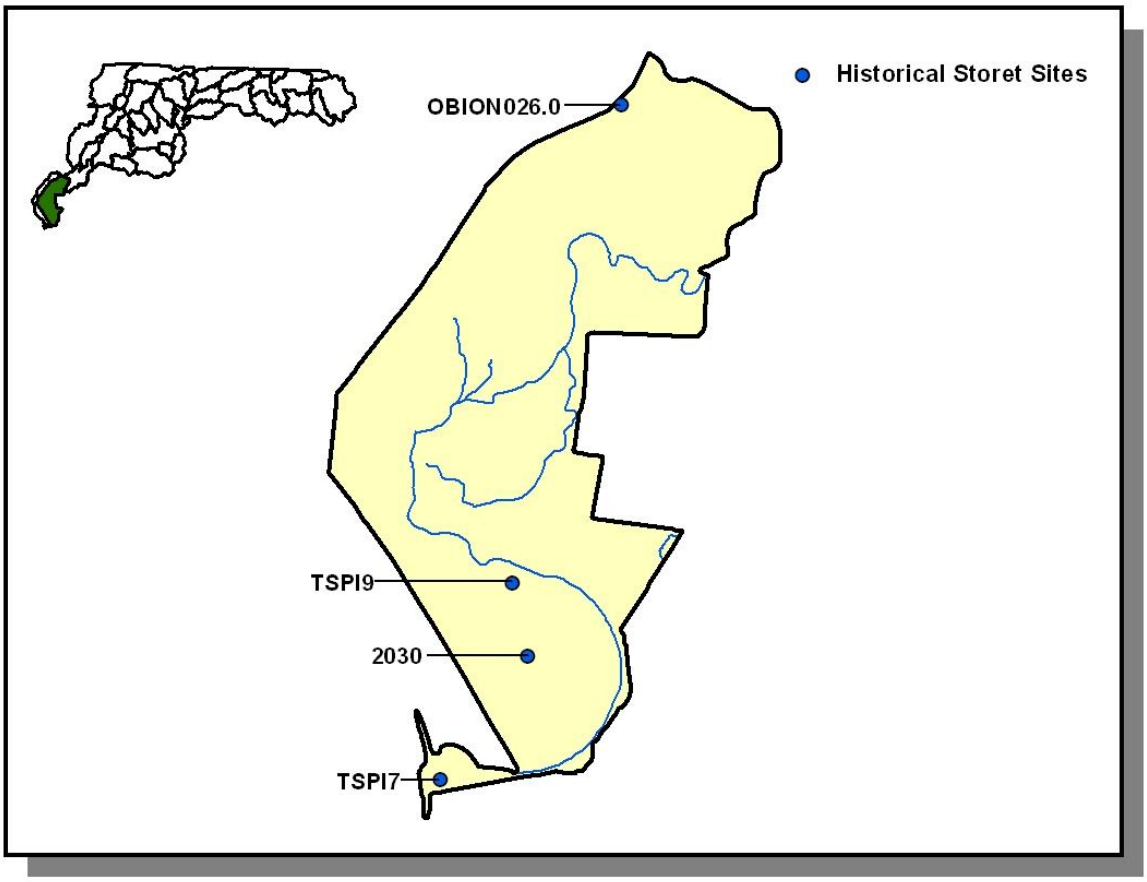

Figure 4-260. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020313. *More information, including site names and locations, is provided in Appendix IV.*

4.2.DD.iii. Permitted Activities.

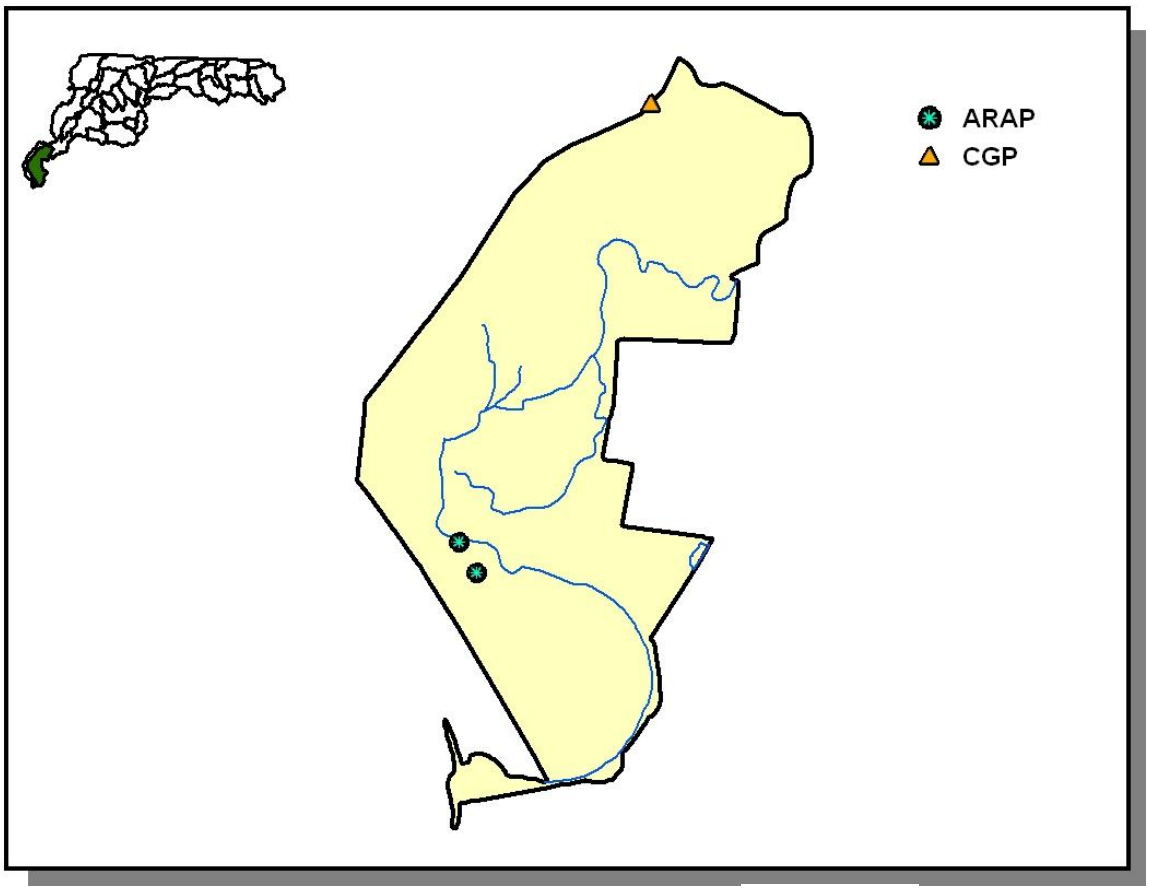

Figure 4-261. Location of Permits Issued in Subwatershed 080102020313. *More information, including the names of facilities, is provided in Appendix IV.*

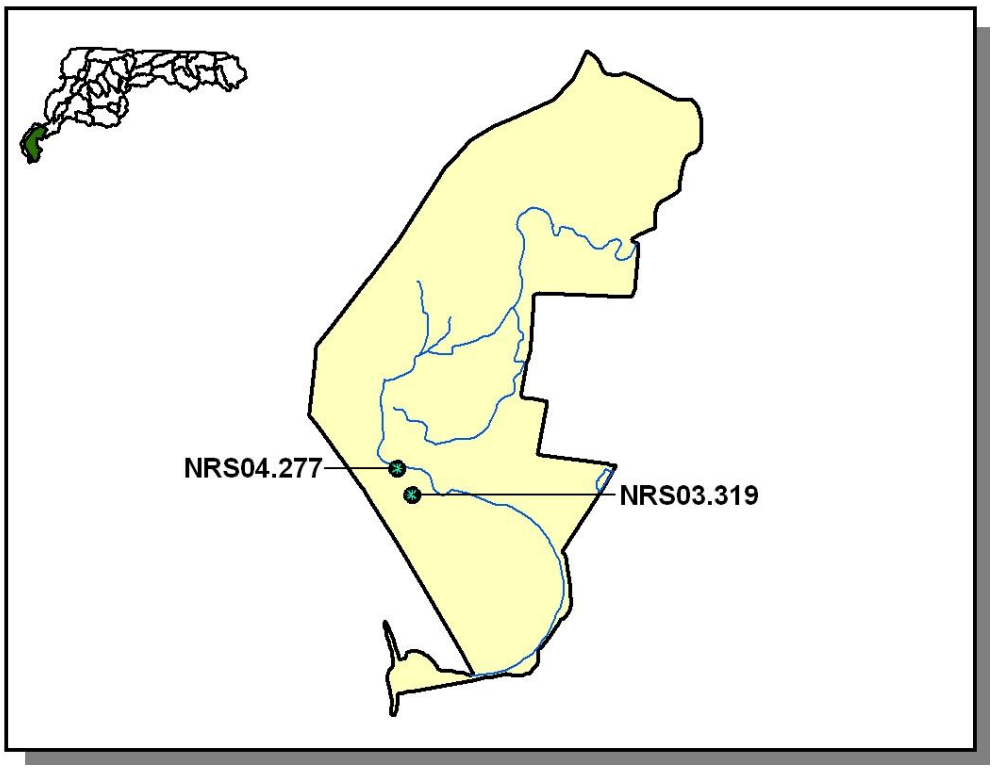

Figure 4-262. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020313. *More information is provided in Appendix IV.*

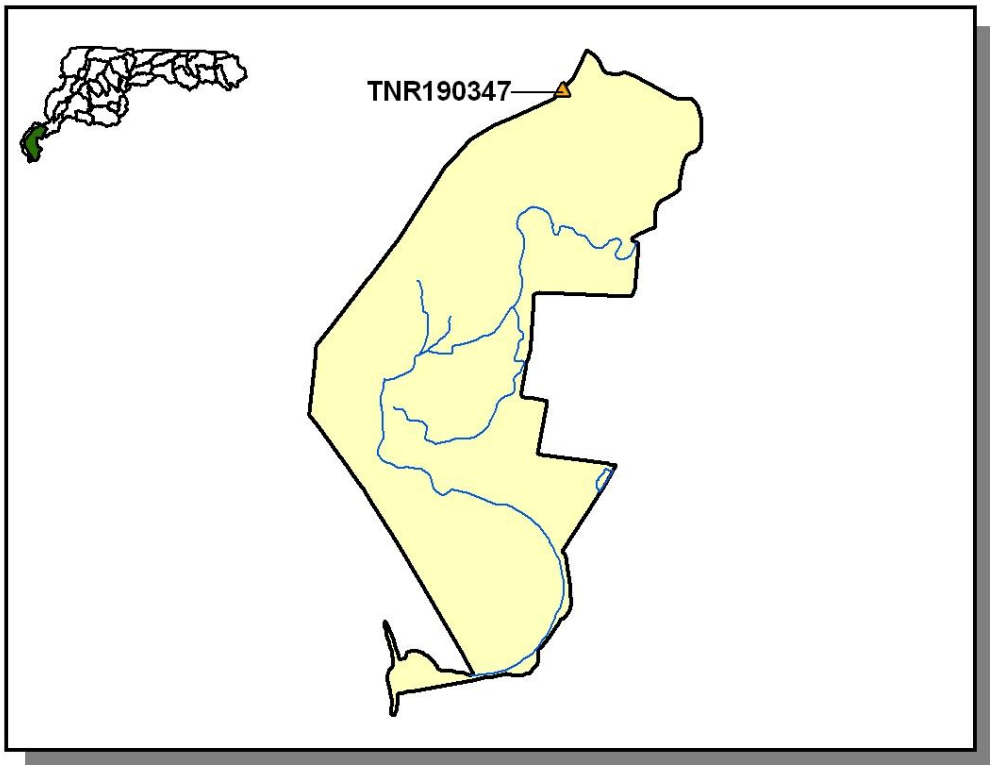

Figure 4-263. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020313. *More information is provided in Appendix IV.*

4.2.DD.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Lauderdale		8,739		243	2,355	11

Table 4-177. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8

Table 4-178. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	8.70
Corn (Row Crops)	7.57
Sorghum (Row Crops)	5.90
Soybeans (Row Crops)	5.75
Cotton (Row Crops)	5.45
Other Vegetable and Truck Crop	4.00
Wheat (Close Grown Cropland)	3.98
Oats (Close Grown Cropland)	3.34
Grass (Pastureland)	1.67
Other Cropland not Planted	1.36
Farmsteads and Ranch Headquarters	1.21
Legume (Hayland)	0.65
Legume Grass (Hayland)	0.58
Conservation Reserve Program Land	0.41
Grass Forbs Legumes Mixed (Pastureland)	0.40
Grass (Hayland)	0.15
Other Land in Farms	0.05

Table 4-179. Annual Estimated Total Soil Loss in Subwatershed 080102020313.

4.2.EE. 080102020314 (West Levee Drainage).

4.2.EE.i. General Description.

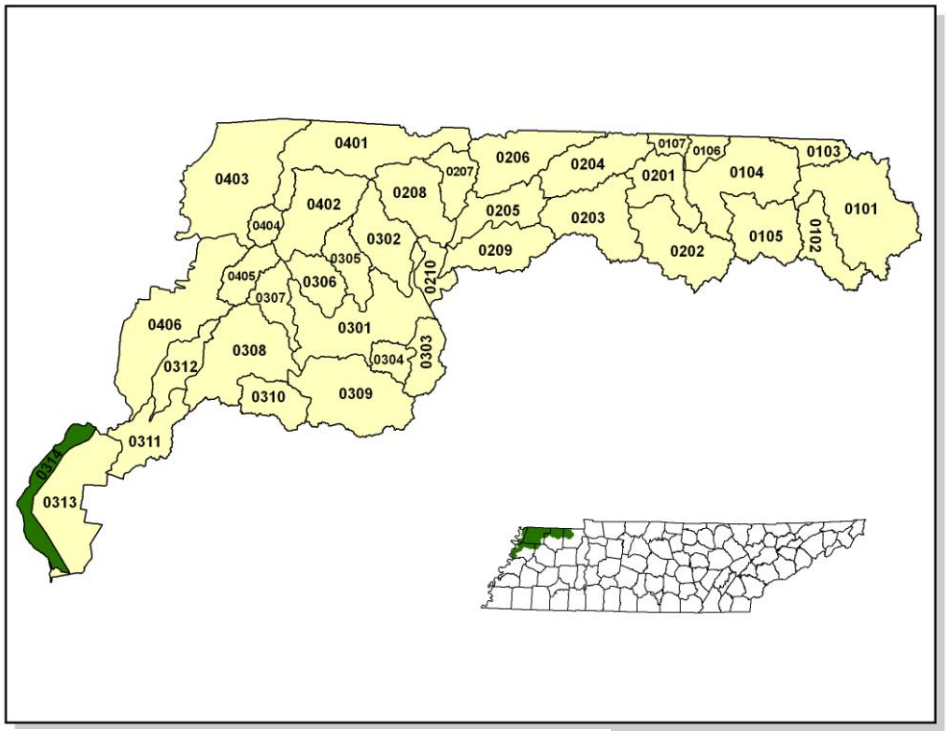

Figure 4-264. Location of Subwatershed 080102020314. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

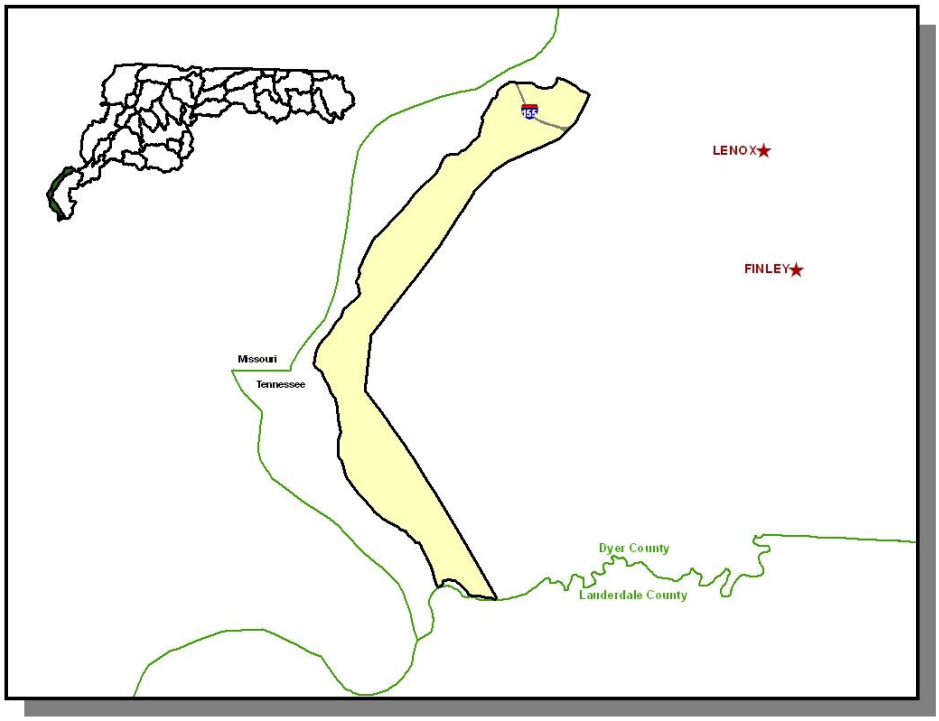

Figure 4-265. Locational Details of Subwatershed 080102020314.

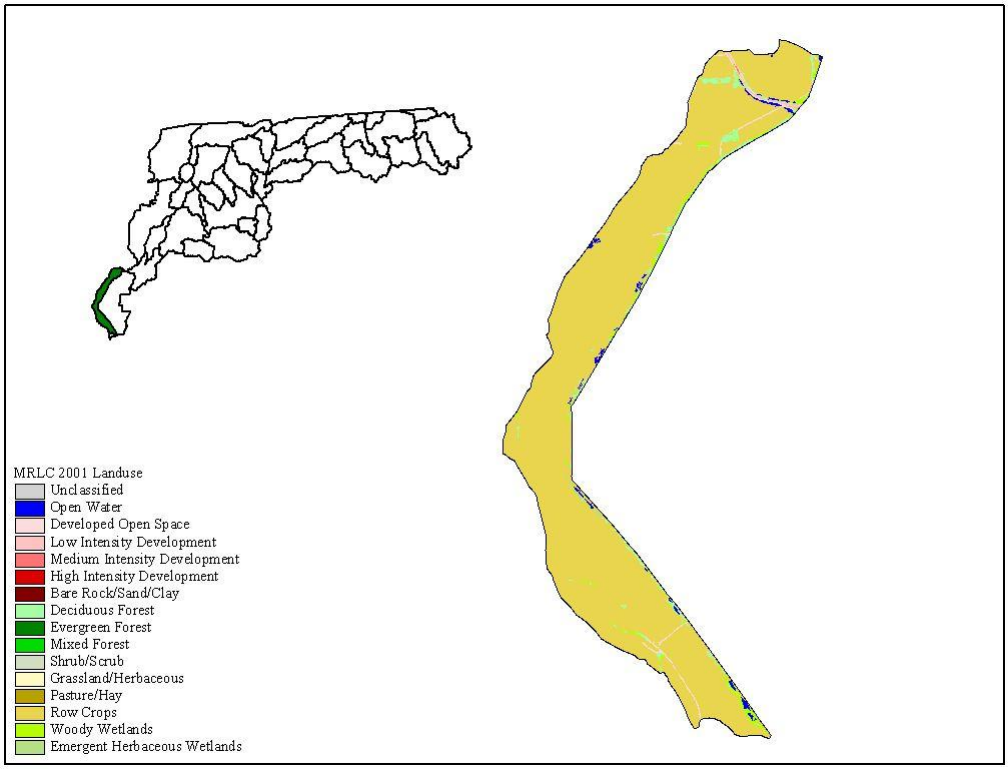

Figure 4-266. Illustration of Land Use Distribution in Subwatershed 080102020314.

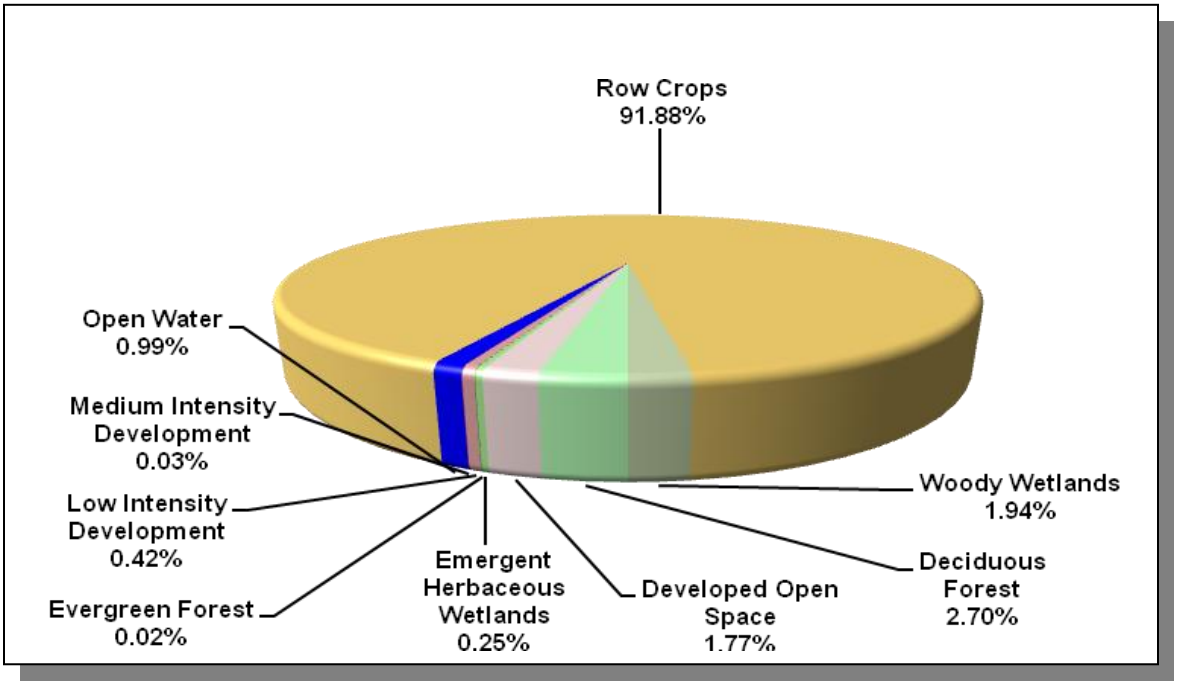

Figure 4-267. Land Use Distribution in Subwatershed 080102020314. *More information is provided in Appendix IV.*

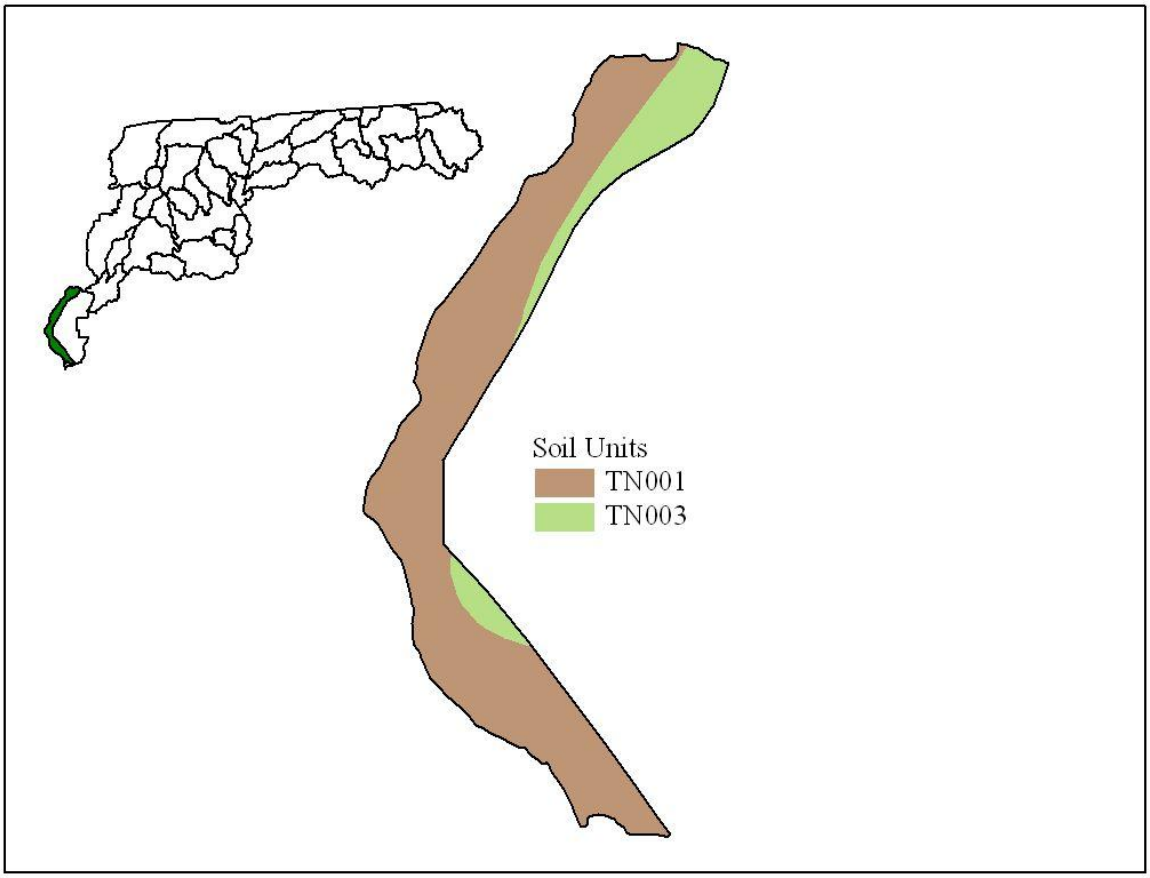

Figure 4-268. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020314

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN001	14.00	C	2.31	7.00	Silty Loam	0.33
TN003	62.00	C	0.50	6.65	Silty Clay	0.33

Table 4-180. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020314. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	3.67	1,278	1,338	1,367	7.00

Table 4-181. Population Estimates in Subwatershed 080102020314.

4.2.EE.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations or STORET sites located in subwatershed 080102020314.

4.2.EE.iii. Permitted Activities.

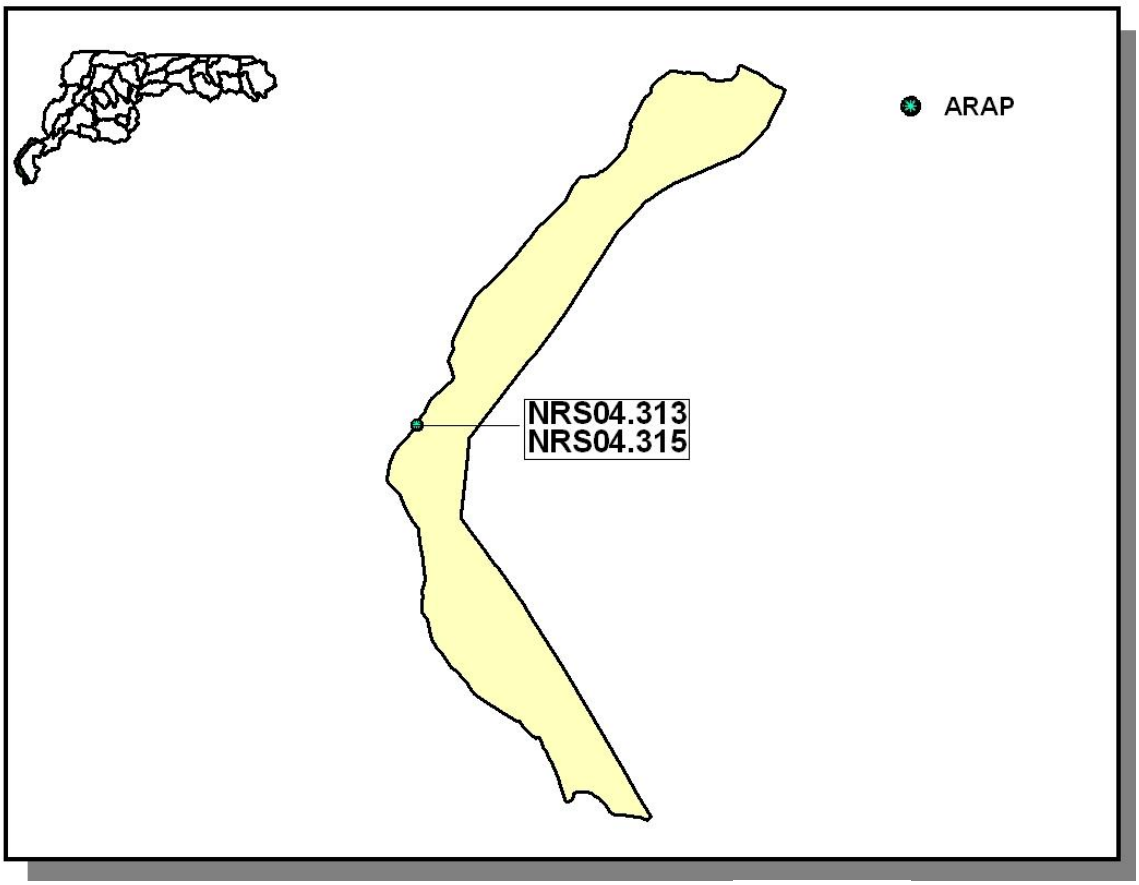

Figure 4-269. Location of Permits Issued in Subwatershed 080102020314. *More information, including the names of facilities, is provided in Appendix IV.*

4.2.EE.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Lauderdale		8,739		243	2,355	11

Table 4-182. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8

Table 4-183. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Summer Fallow (Other Cropland)	8.70
Corn (Row Crops)	7.49
Sorghum (Row Crops)	5.90
Soybeans (Row Crops)	5.66
Cotton (Row Crops)	5.36
Other Vegetable and Truck Crop	4.00
Wheat (Close Grown Cropland)	3.92
Oats (Close Grown Cropland)	3.34
Grass (Pastureland)	1.66
Other Cropland not Planted	1.36
Farmsteads and Ranch Headquarters	1.23
Legume (Hayland)	0.65
Legume Grass (Hayland)	0.58
Conservation Reserve Program Land	0.40
Grass Forbs Legumes Mixed (Pastureland)	0.38
Grass (Hayland)	0.15
Other Land in Farms	0.05

Table 4-184. Annual Estimated Total Soil Loss in Subwatershed 080102020314.

4.2.FF. 080102020401 (North Reelfoot Creek).

4.2.FF.i. General Description.

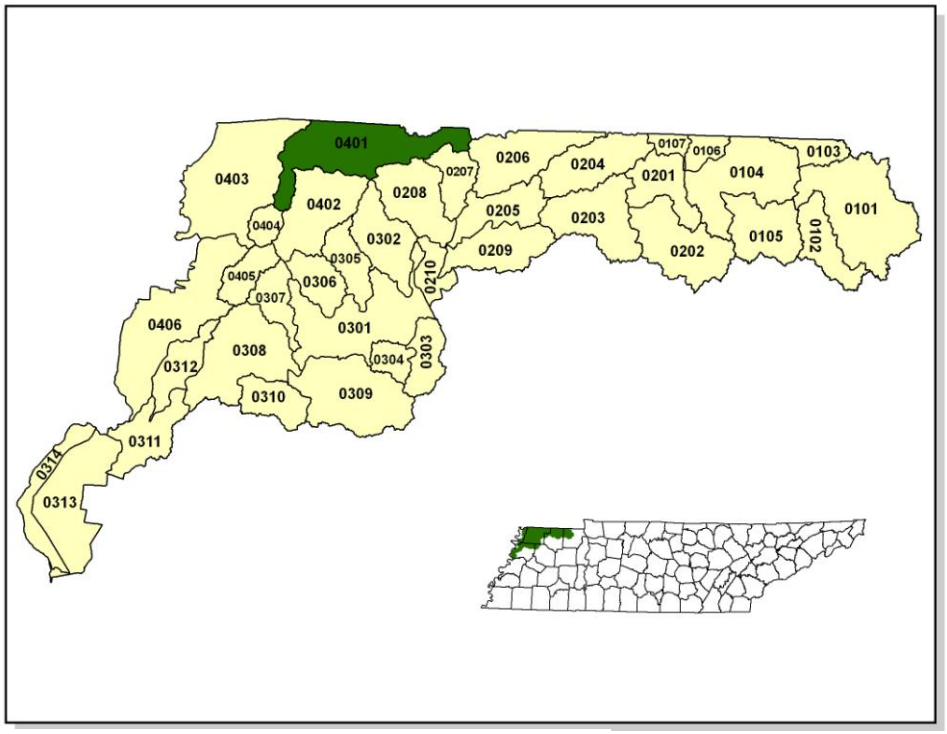

Figure 4-270. Location of Subwatershed 080102020401. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

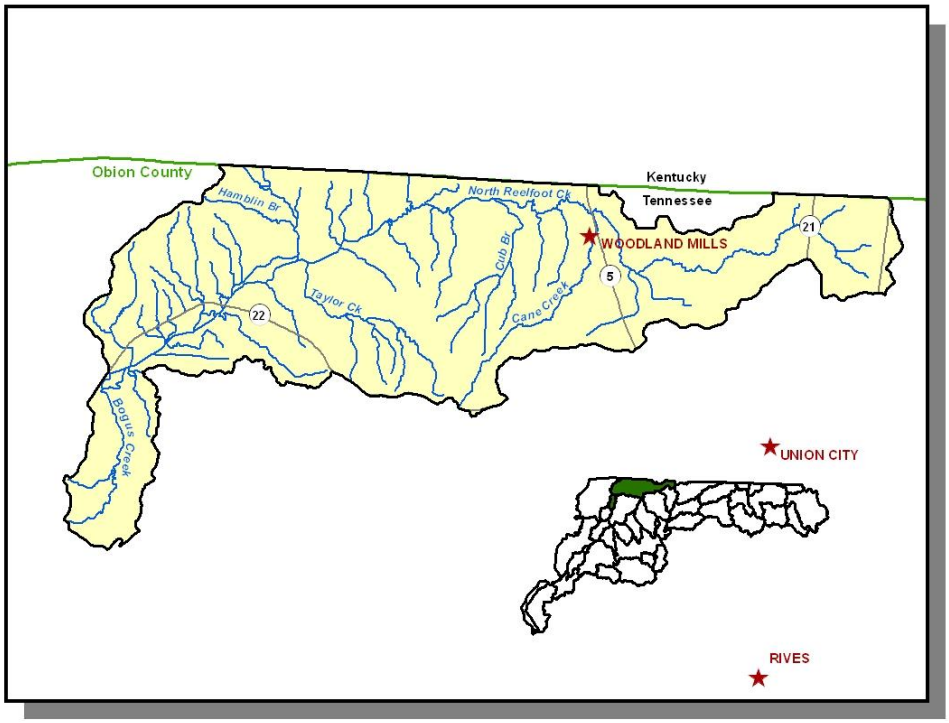

Figure 4-271. Locational Details of Subwatershed 080102020401.

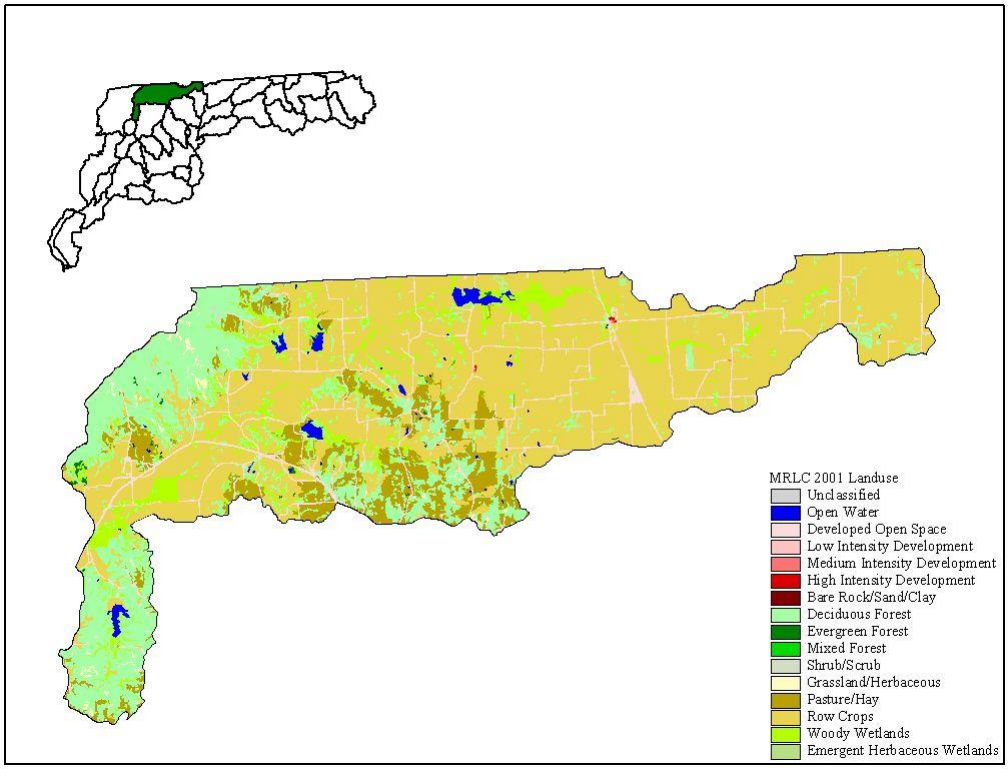

Figure 4-272. Illustration of Land Use Distribution in Subwatershed 080102020401.

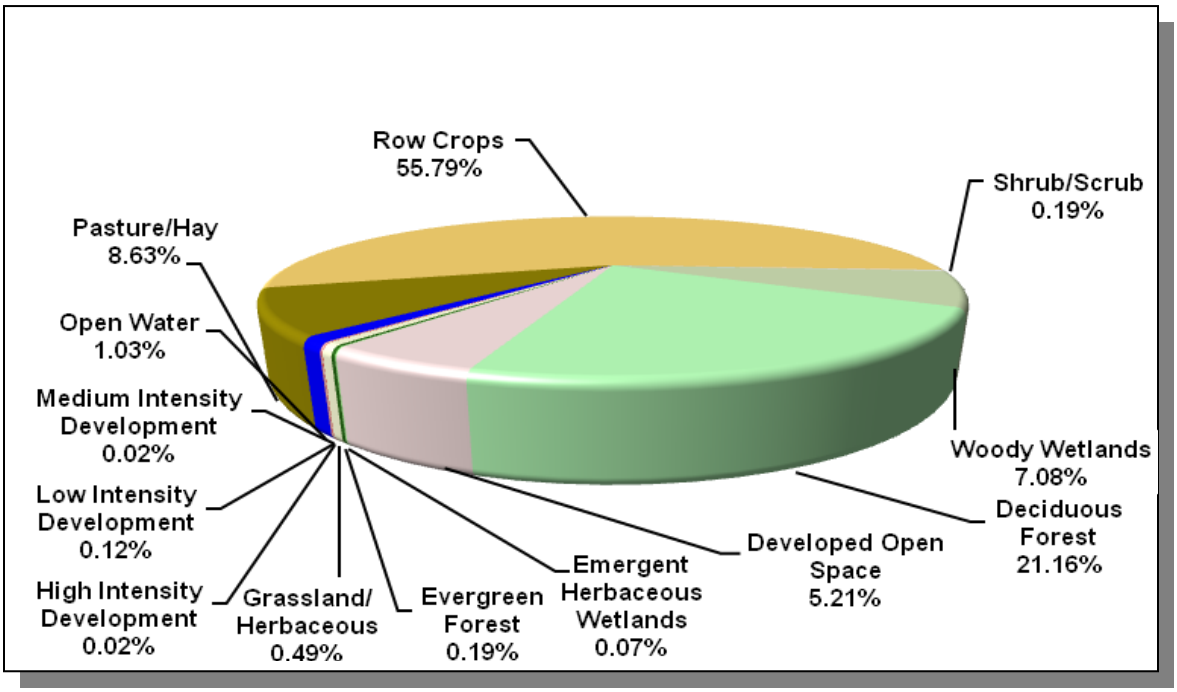

Figure 4-273. Land Use Distribution in Subwatershed 080102020401. *More information is provided in Appendix IV.*

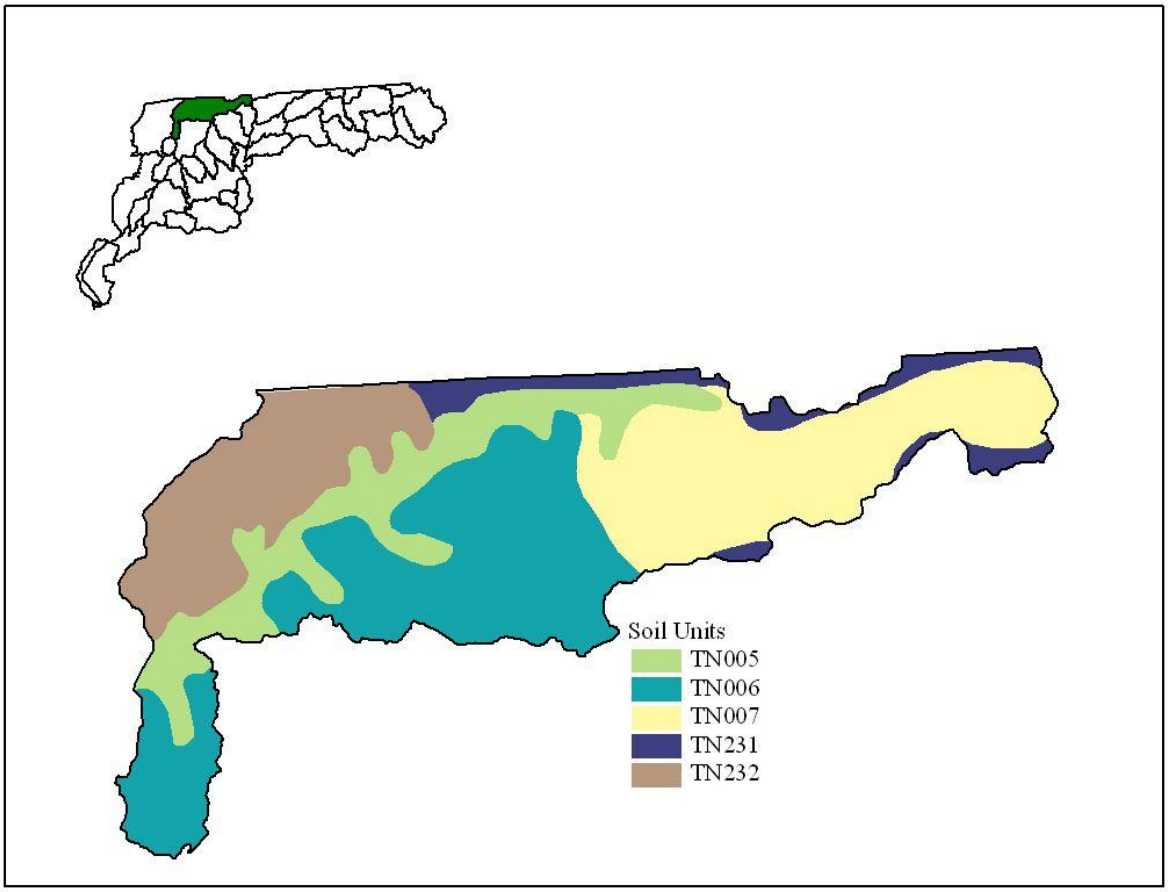

Figure 4-274. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020401.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN231	8.00	C	1.30	5.21	Silty Loam	0.48
TN232	5.00	B	1.30	5.35	Silty Loam	0.48

Table 4-185. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020401. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	10.35	3,283	3,320	3,359	2.30

Table 4-186. Population Estimates in Subwatershed 080102020401.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Woodland Mills	Obion	399	162	160	2	0

Table 4-187. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020401.

4.2.FF.ii. USGS Gaging Stations and STORET Sites.

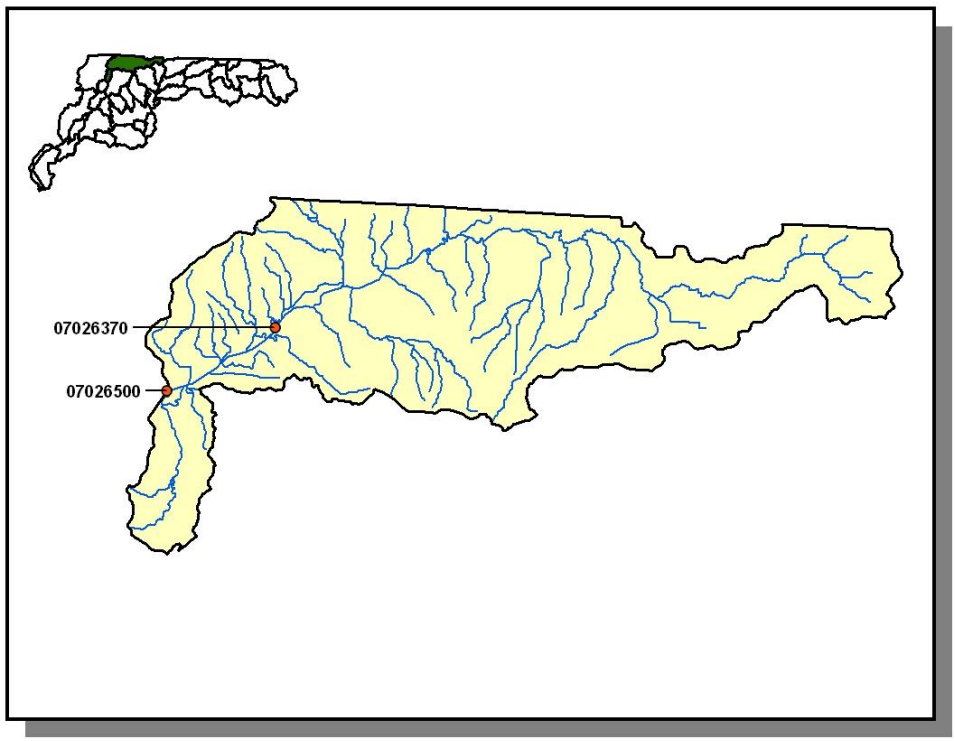

Figure 4-275. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020401. *More information is provided in Appendix IV.*

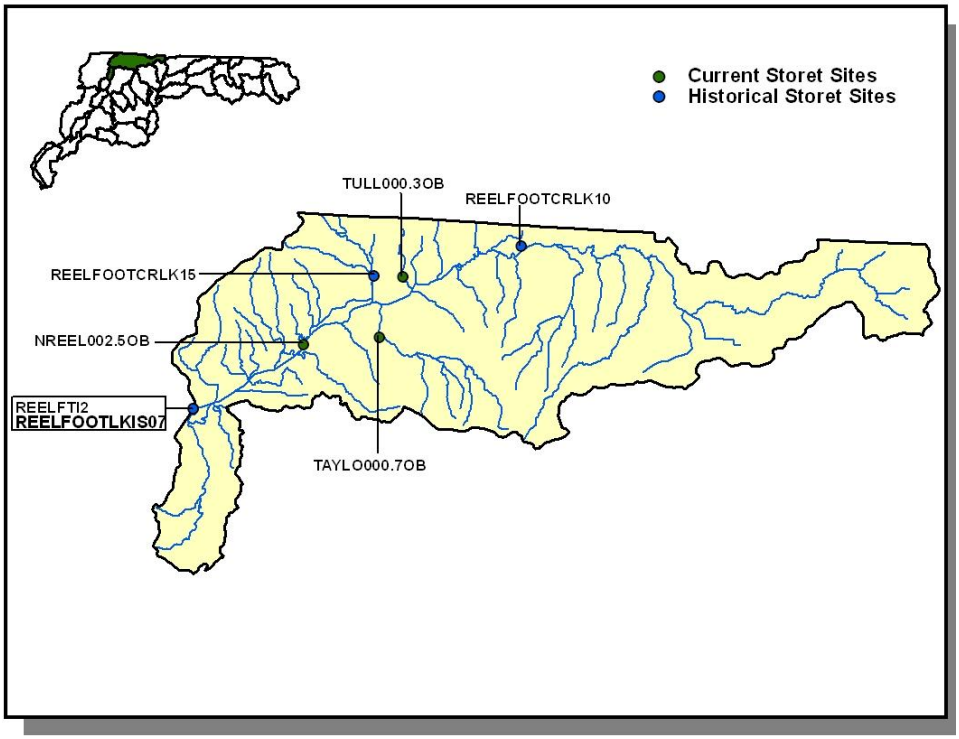

Figure 4-276. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020401. *More information, including site names and locations, is provided in Appendix IV.*

4.2.FF.iii. Permitted Activities.

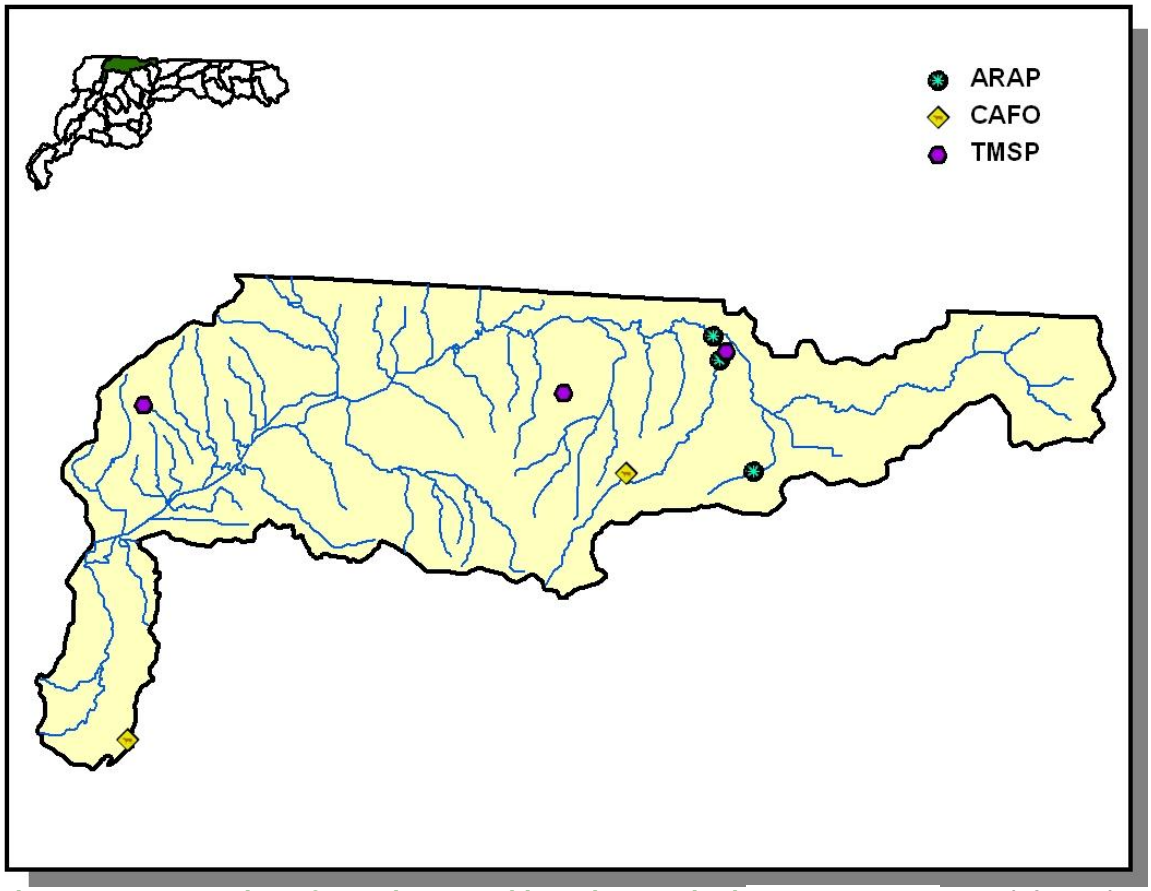

Figure 4-277. Location of Permits Issued in Subwatershed 080102020401. *More information, including the names of facilities, is provided in Appendix IV.*

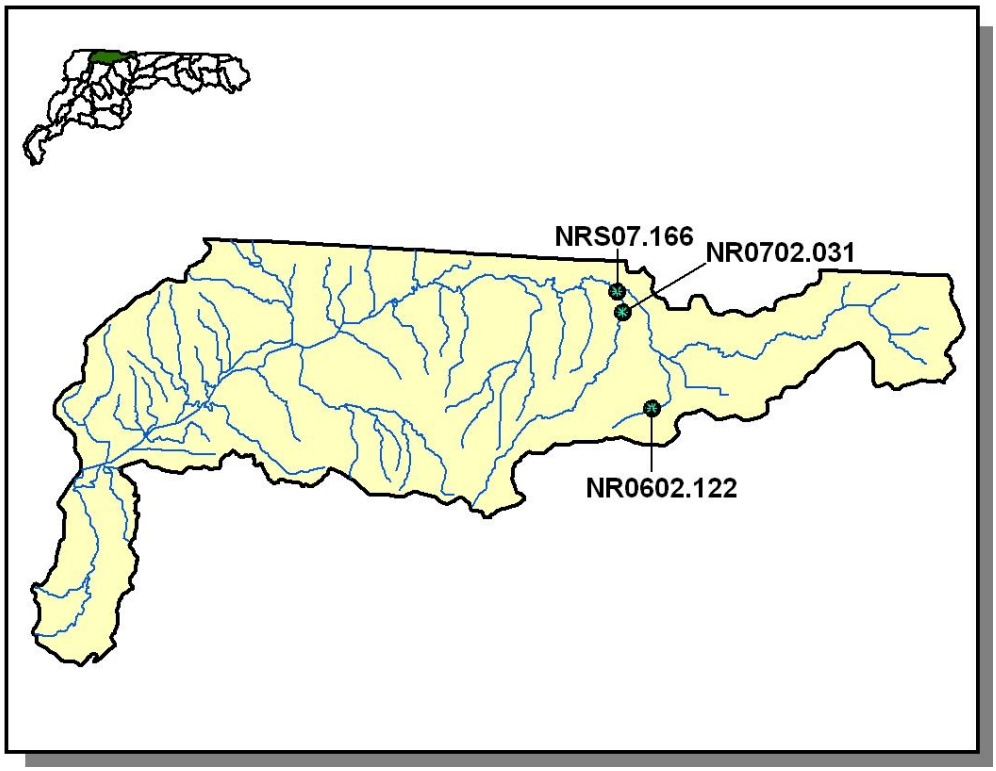

Figure 4-278. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020401. *More information is provided in Appendix IV.*

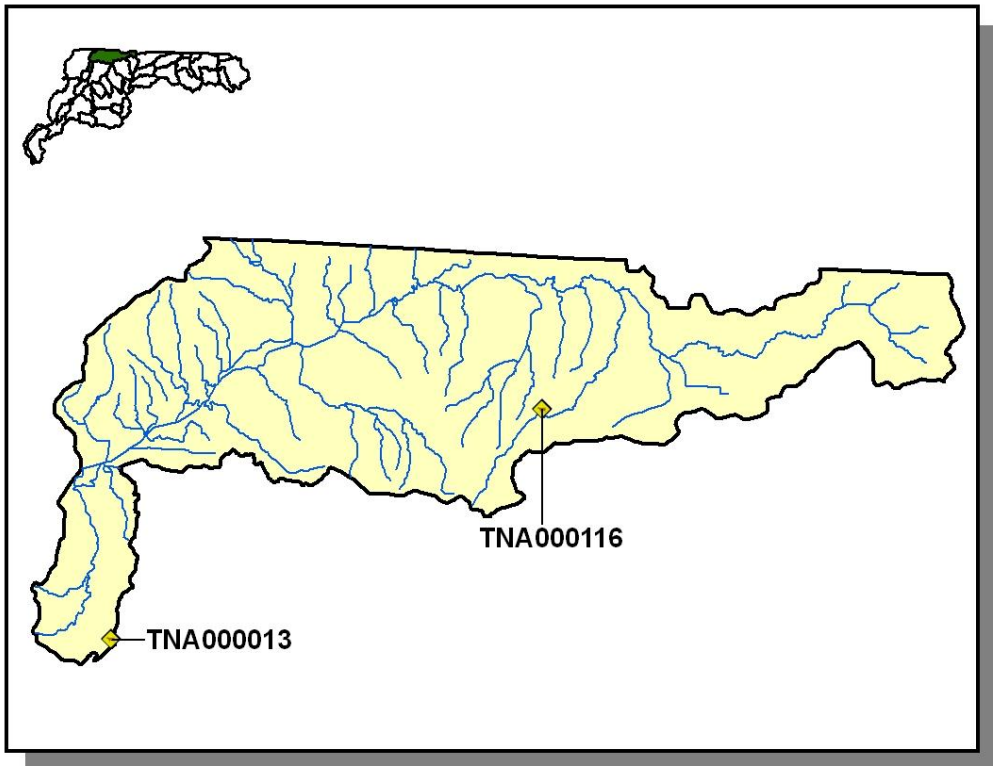

Figure 4-279. Location of CAFO (Concentrated Animal Feel Operation) Permit Sites in Subwatershed 080102020401. *More information, including the names of facilities, is provided in Appendix IV.*

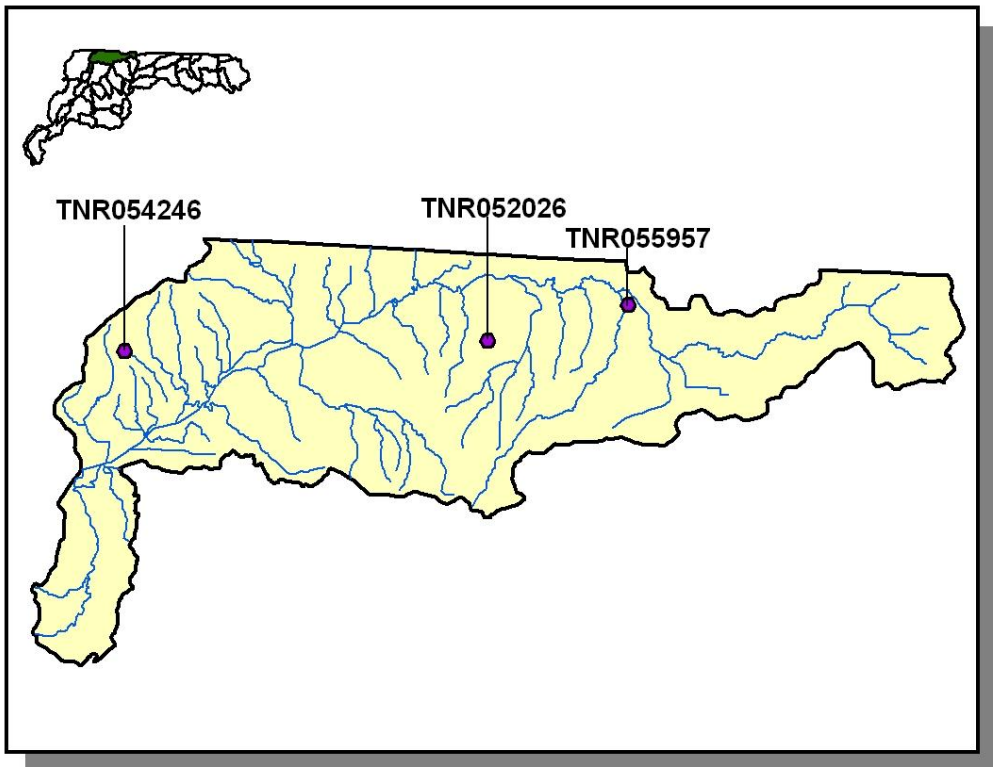

Figure 4-280. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020401. *More information is provided in Appendix IV.*

4.2.FF.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-188. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-189. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-190. Annual Estimated Total Soil Loss in Subwatershed 080102020401.

4.2.GG. 080102020402 (South Reelfoot Creek).

4.2.GG.i. General Description.

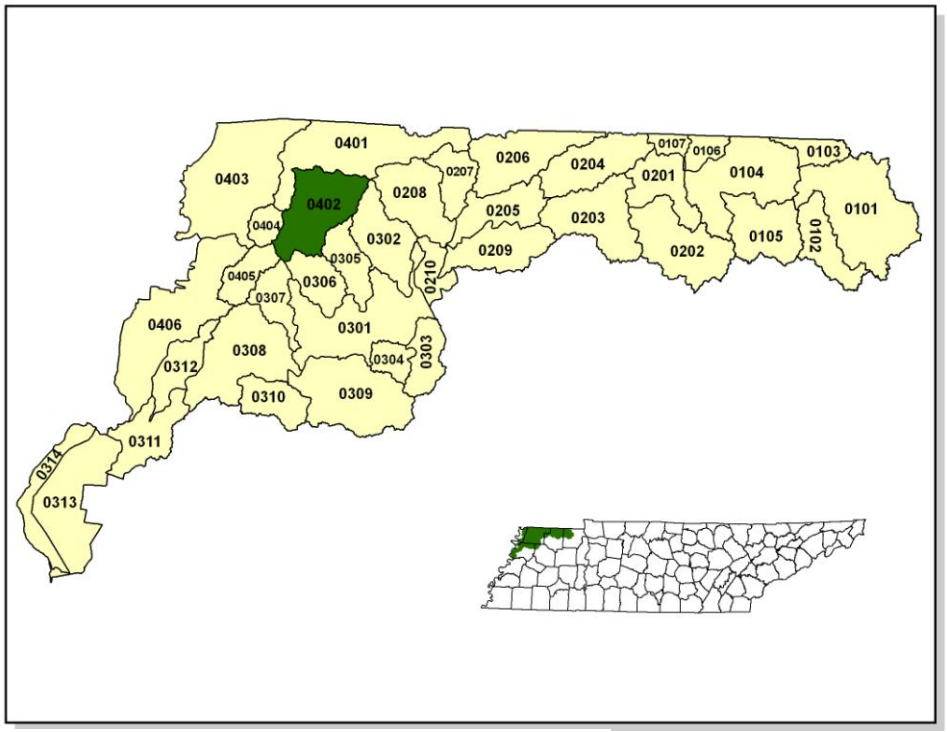

Figure 4-281. Location of Subwatershed 080102020402. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

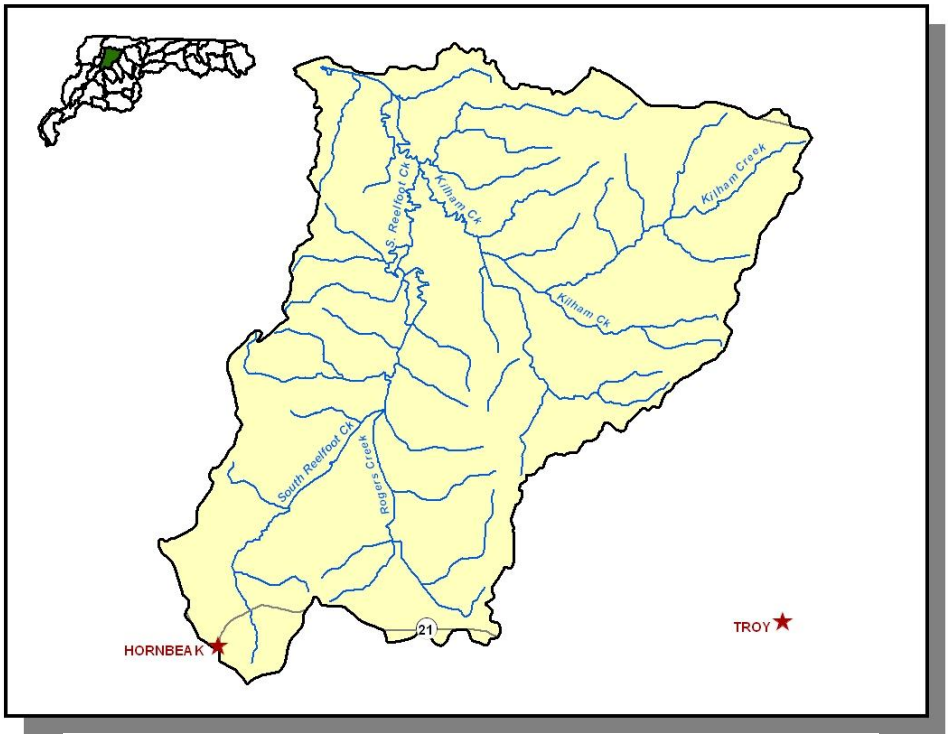

Figure 4-282. Locational Details of Subwatershed 080102020402.

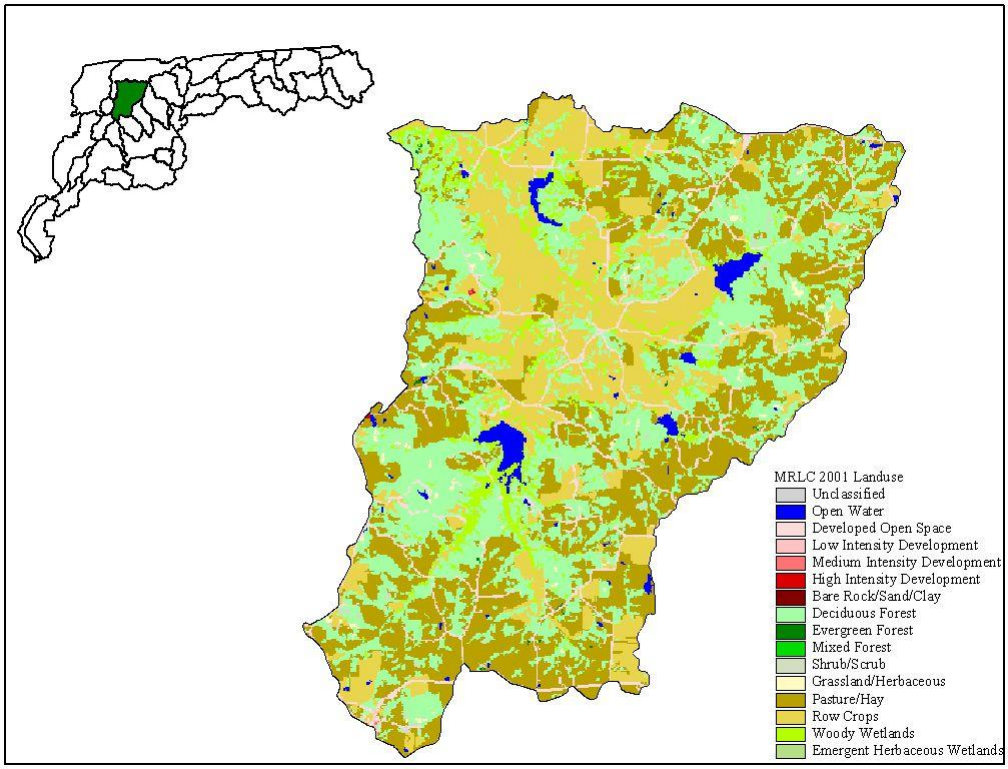

Figure 4-283. Illustration of Land Use Distribution in Subwatershed 080102020402.

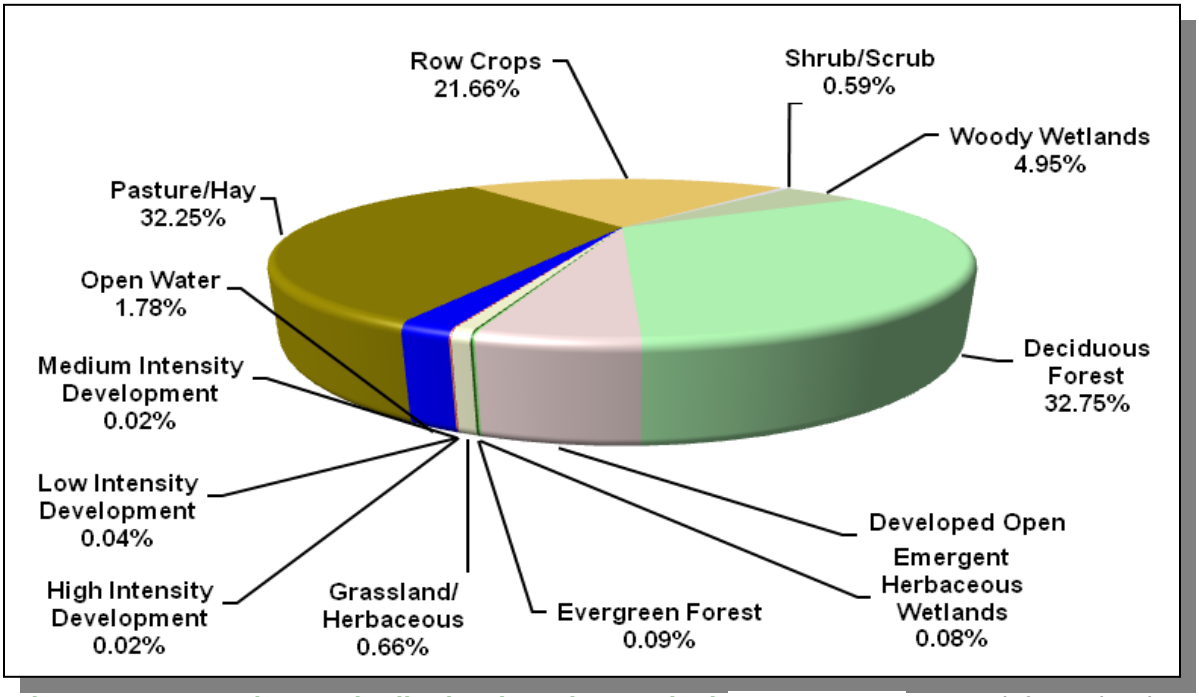

Figure 4-284. Land Use Distribution in Subwatershed 080102020402. *More information is provided in Appendix IV.*

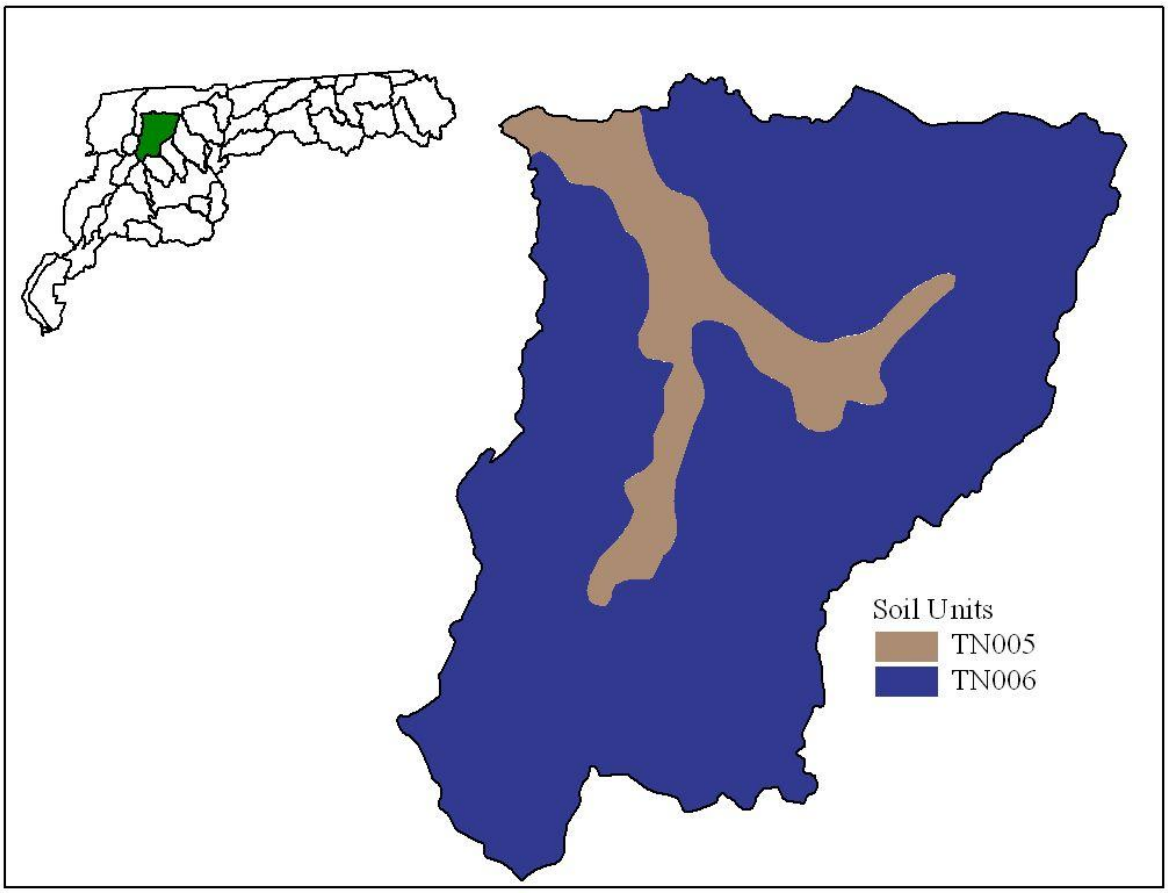

Figure 4-285. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020402.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48

Table 4-191. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020402. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	7.05	2,236	2,261	2,287	2.30

Table 4-192. Population Estimates in Subwatershed 080102020402.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Hornbeak	Obion	472	194	12	180	2

Table 4-193. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020402.

4.2.GG.ii. USGS Gaging Stations and STORET Sites.

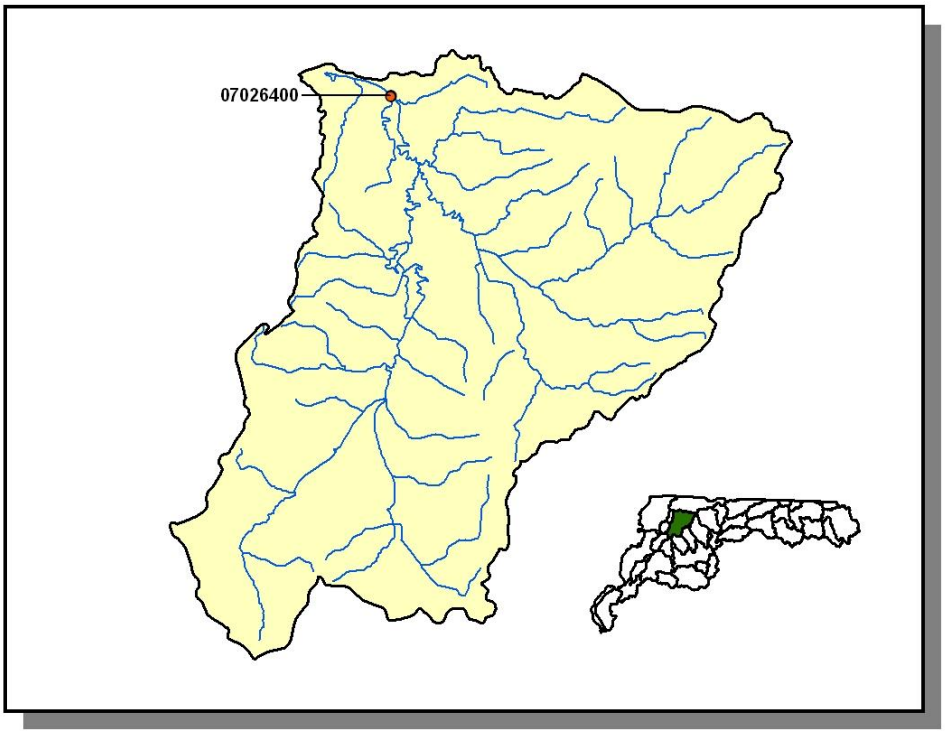

Figure 4-286. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020402. *More information is provided in Appendix IV.*

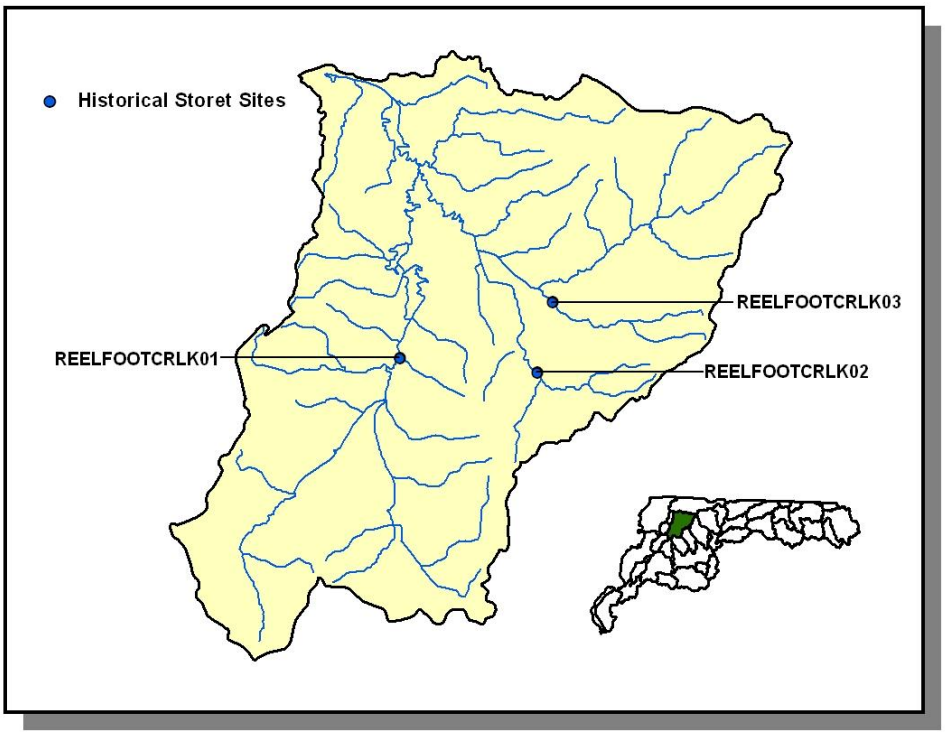

Figure 4-287. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020402. *More information, including site names and locations, is provided in Appendix IV.*

4.2.GG.iii. Permitted Activities.

Figure 4-288. Location of Permits Issued in Subwatershed 080102020402. *More information, including the names of facilities, is provided in Appendix IV.*

4.2.GG.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-194. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-195. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-196. Annual Estimated Total Soil Loss in Subwatershed 080102020402.

4.2.HH. 080102020403 (Reelfoot Lake).

4.2.HH.i. General Description.

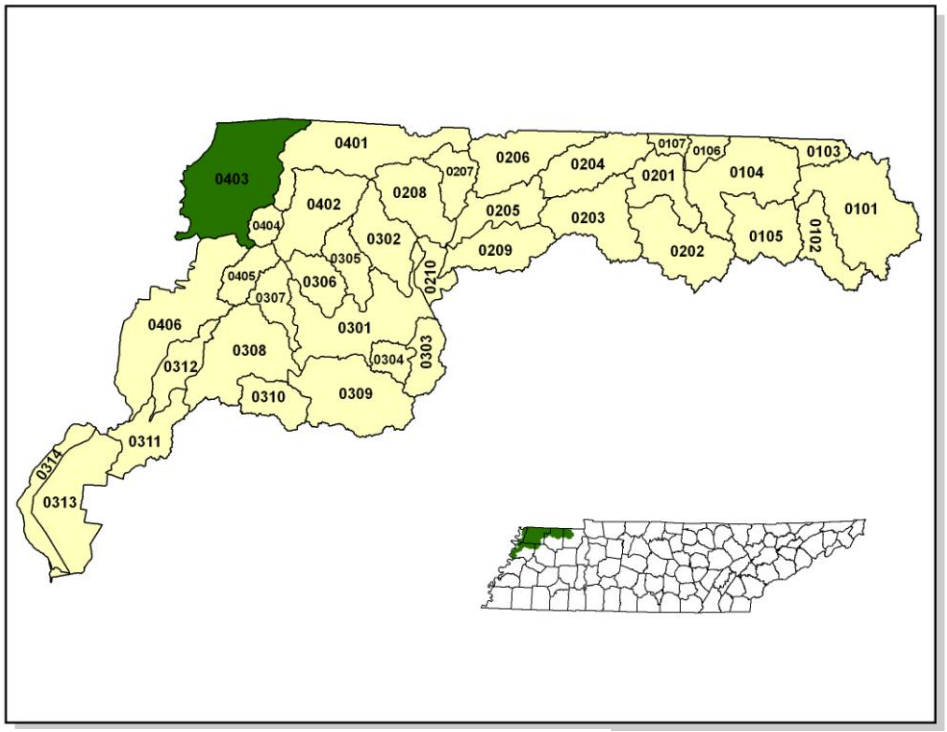

Figure 4-289. Location of Subwatershed 080102020403. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

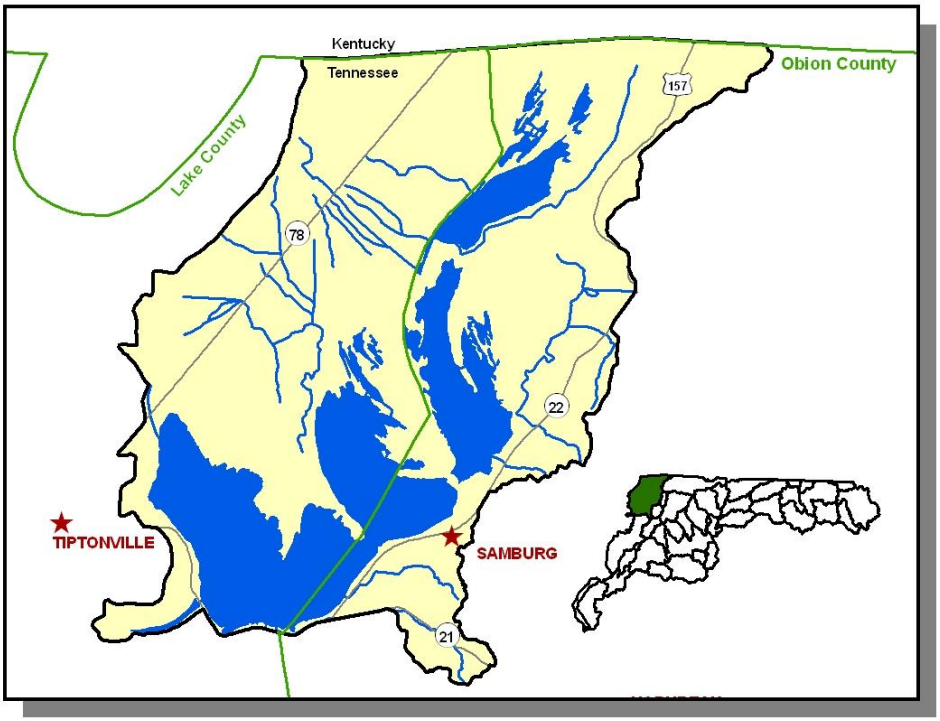

Figure 4-290. Locational Details of Subwatershed 080102020403.

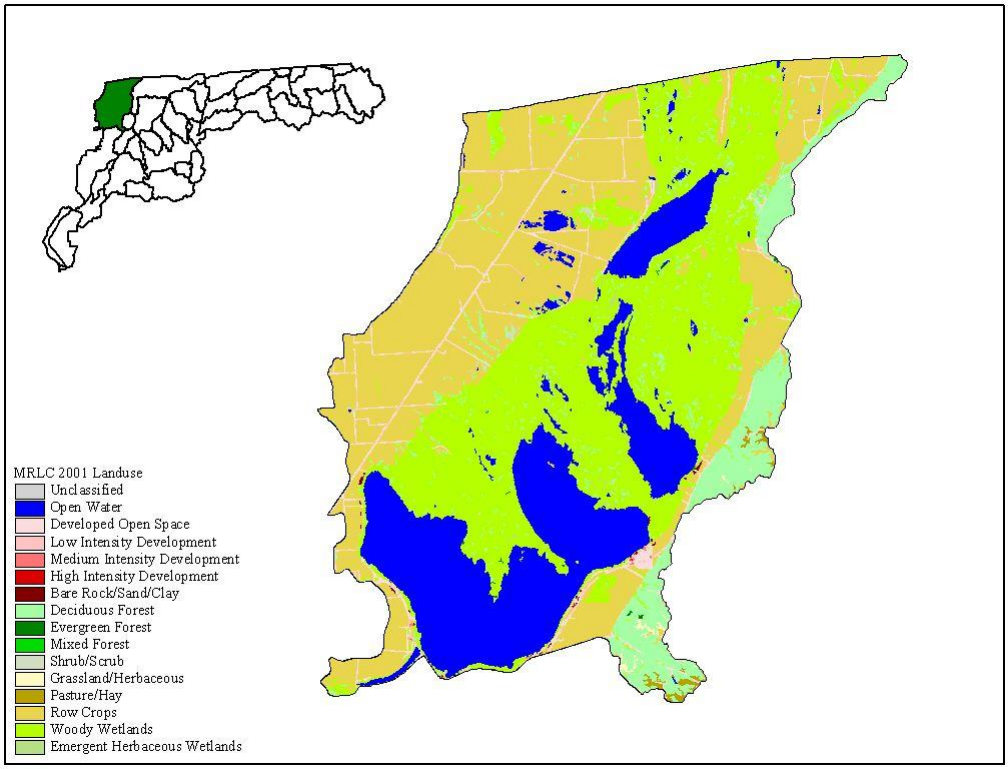

Figure 4-291. Illustration of Land Use Distribution in Subwatershed 080102020403.

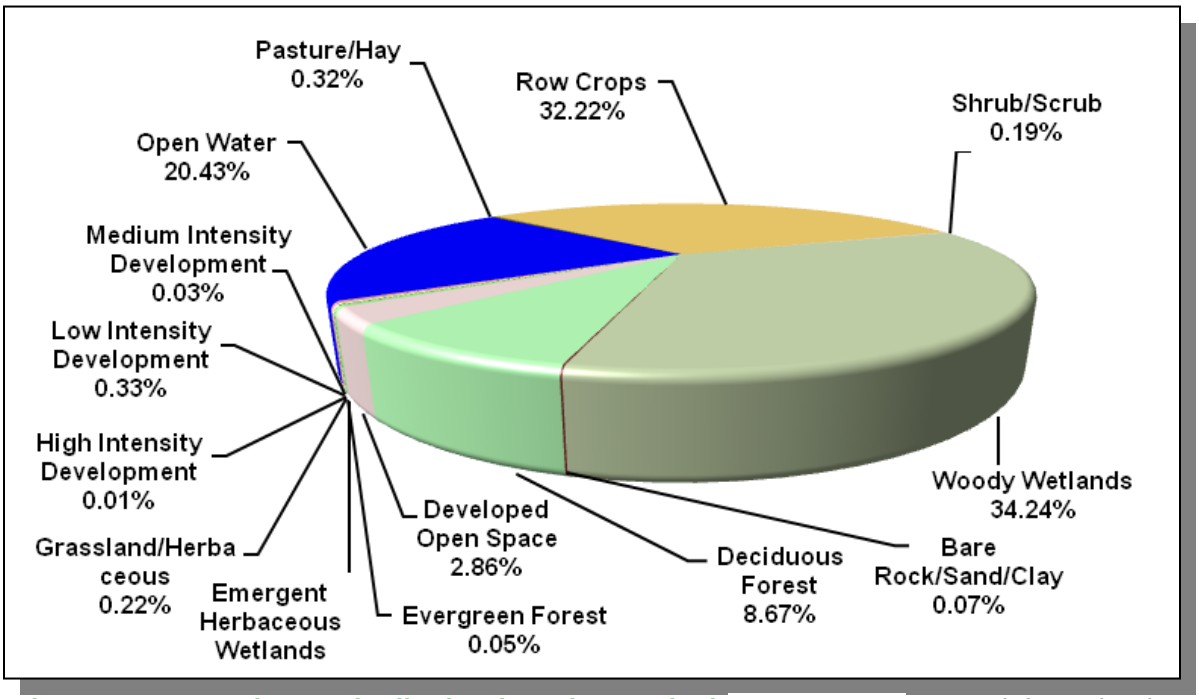

Figure 4-292. Land Use Distribution in Subwatershed 080102020403. *More information is provided in Appendix IV.*

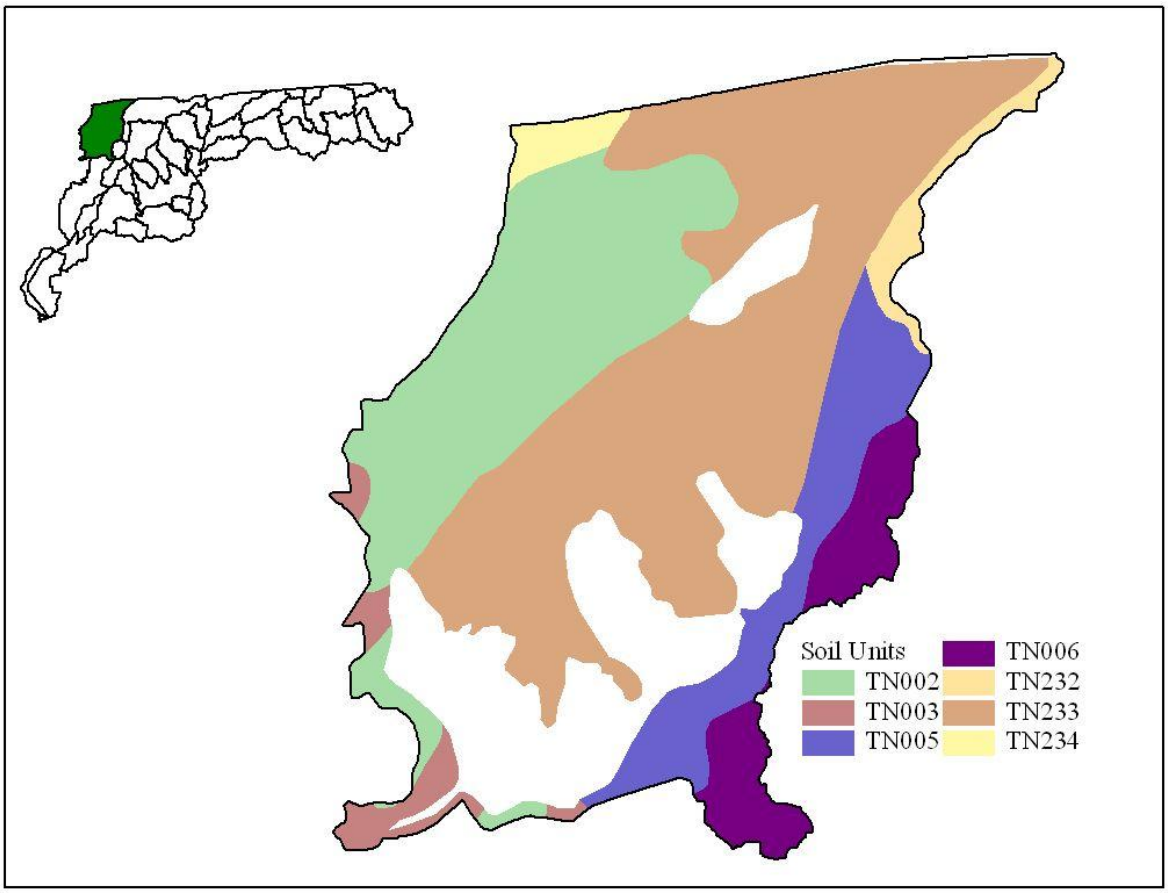

Figure 4-293. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020403.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN002	26.00	C	2.02	6.52	Silty Clay Loam	0.34
TN003	62.00	C	0.50	6.65	Silty Clay	0.33
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN232	5.00	B	1.30	5.35	Silty Loam	0.48
TN233	100.00	C	0.35	6.67	Silty Clay	0.33

Table 4-197. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020403. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Lake	7,129	8,177	7,954	19.69	1,404	1,610	1,566	11.50
Obion	31,717	32,069	32,450	6.09	1,933	1,954	1,978	2.30
Totals	**38,846**	**40,246**	**40,404**		**3,337**	**3,564**	**3,544**	**6.20**

Table 4-198. Population Estimates in Subwatershed 080102020403.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Samburg	Obion	367	196	196	0	0
Tiptonville	Lake	2,208	868	802	44	22
Total		**2,575**	**1,064**	**998**	**44**	**22**

Table 4-199. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020403.

4.2.HH.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020403.

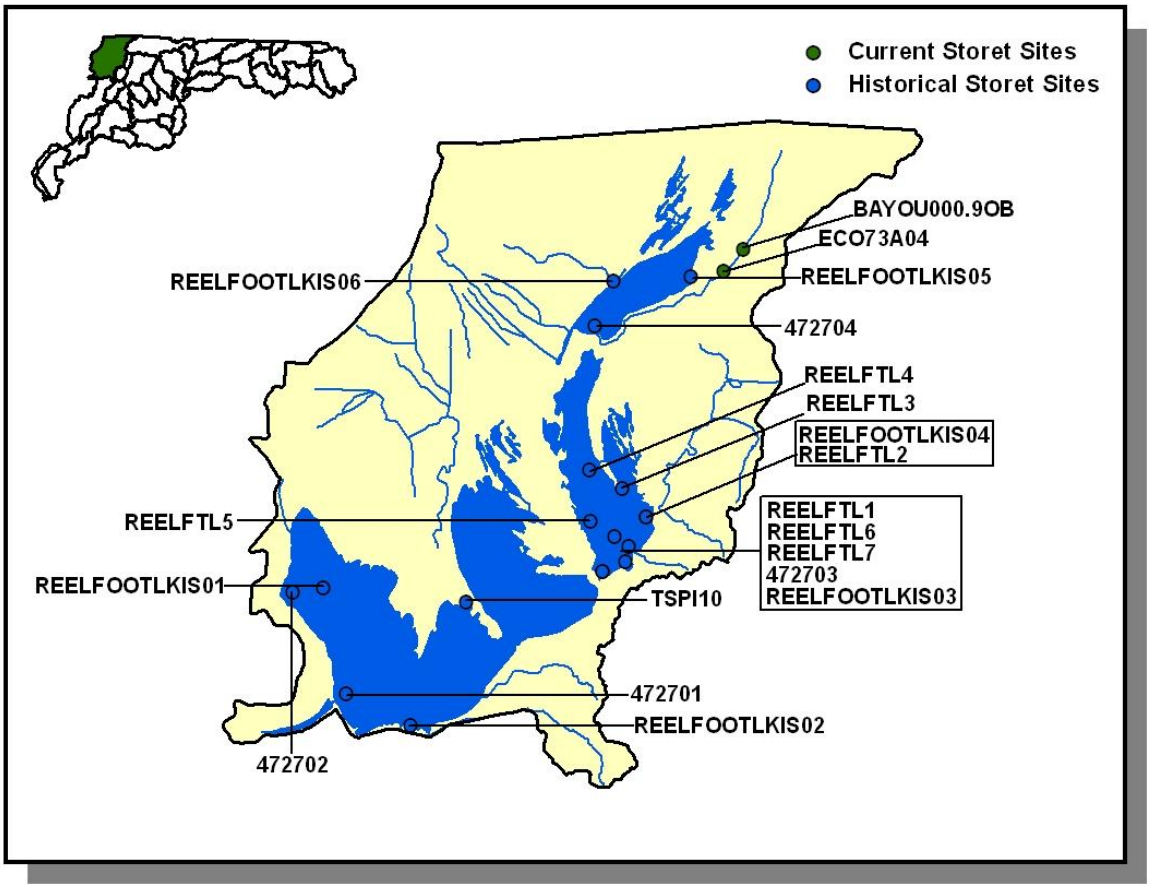

Figure 4-294. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020403. *More information, including site names and locations, is provided in Appendix IV.*

4.2.HH.iii. Permitted Activities.

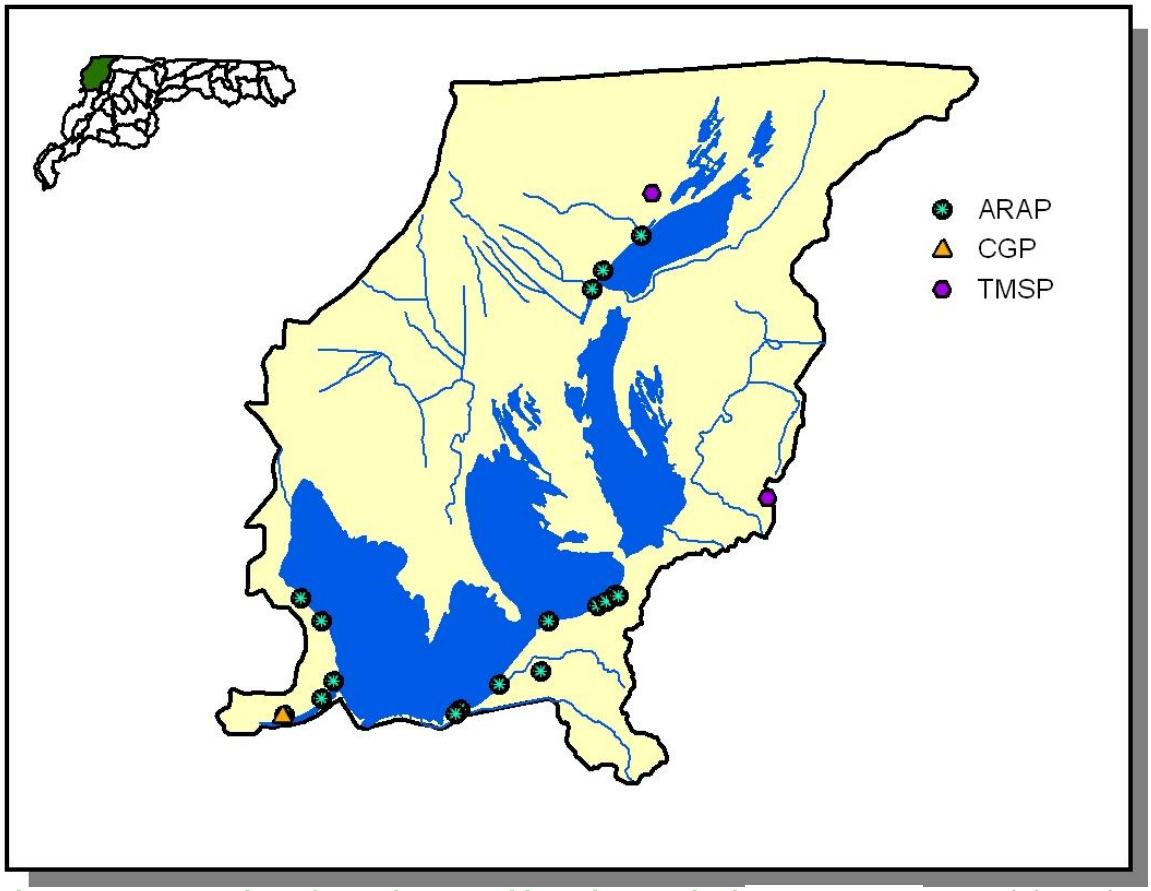

Figure 4-295. Location of Permits Issued in Subwatershed 080102020403. *More information, including the names of facilities, is provided in Appendix IV.*

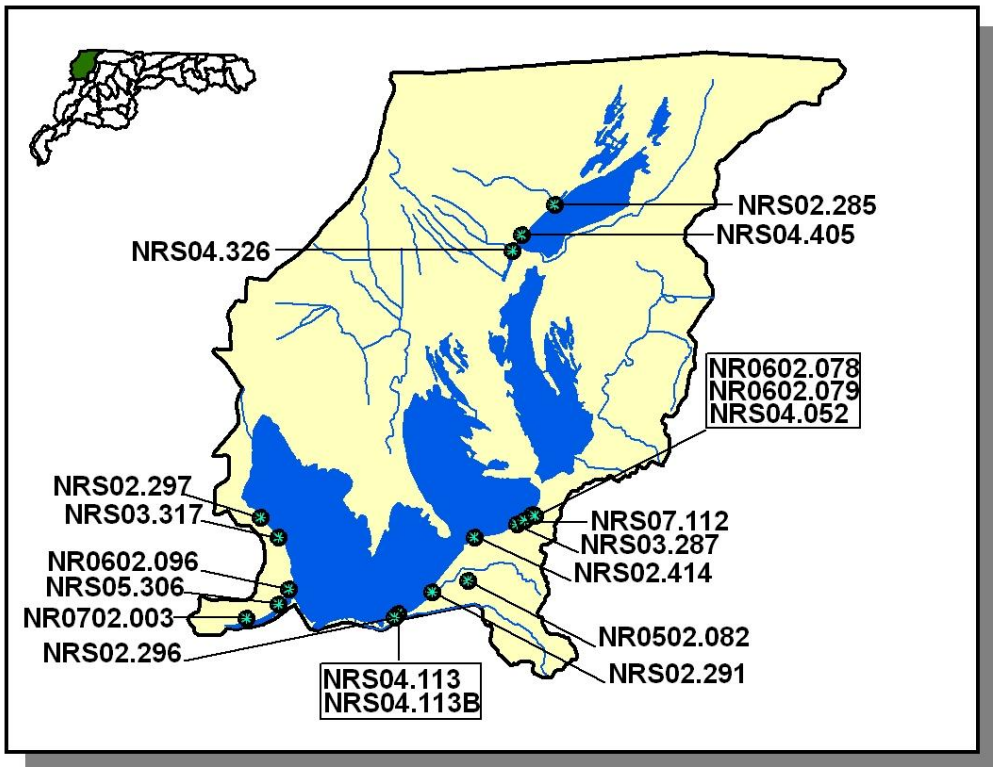

Figure 4-296. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020403. *More information is provided in Appendix IV.*

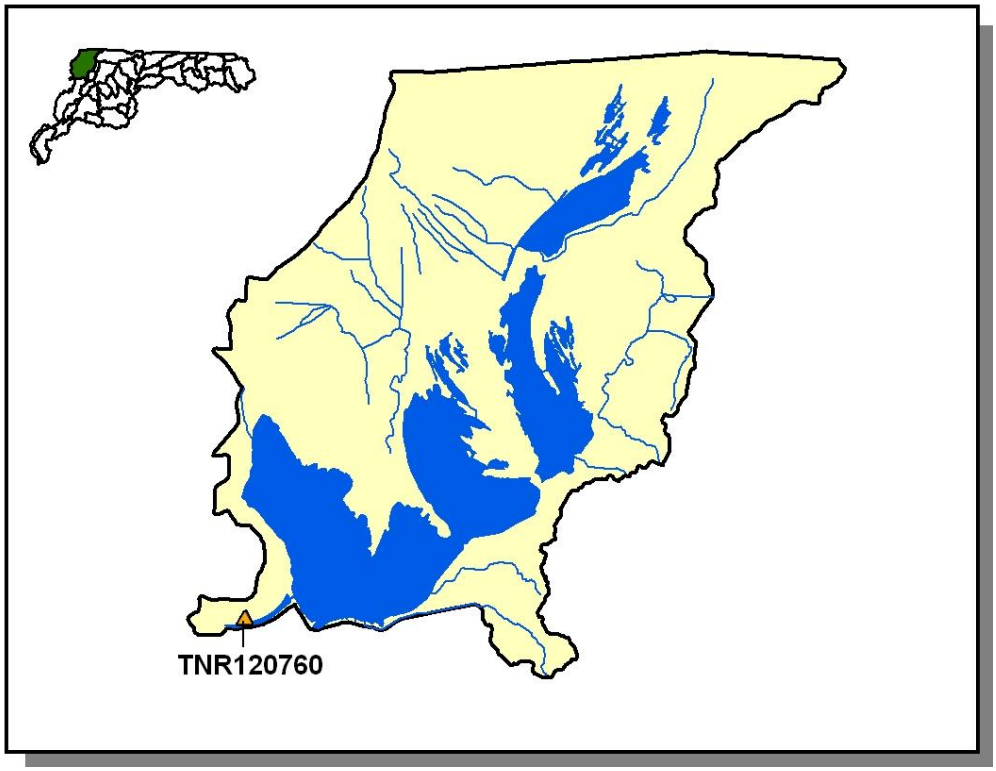

Figure 4-297. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020403. *More information is provided in Appendix IV.*

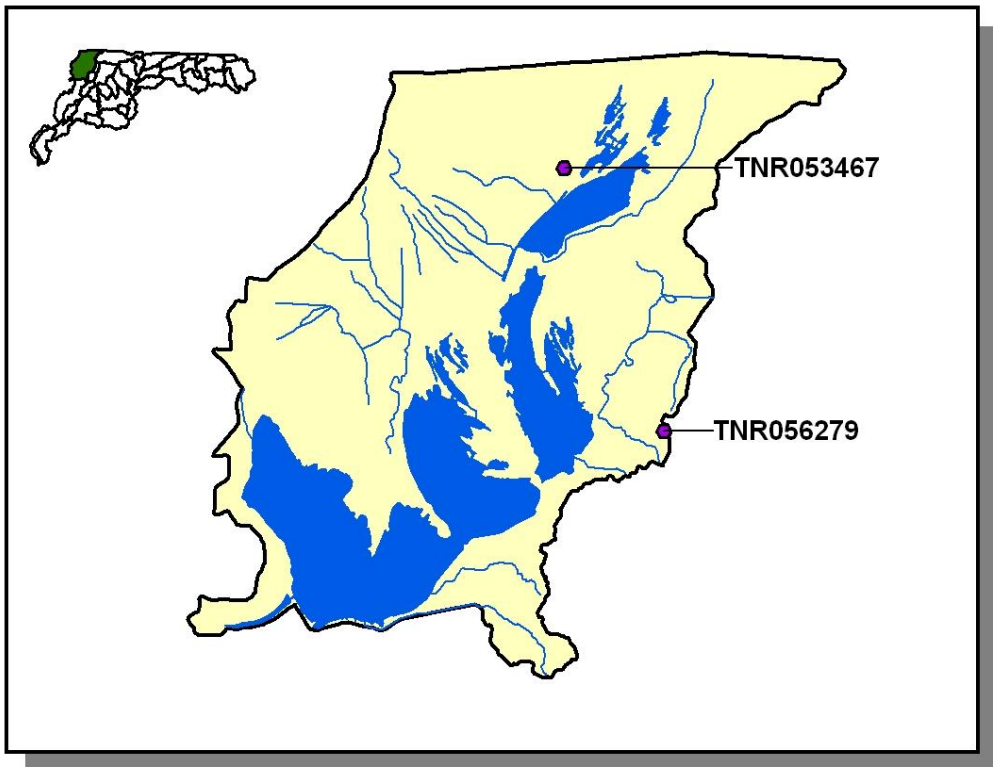

Figure 4-298. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020403. *More information is provided in Appendix IV.*

4.2.HH.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Lake	641	986				
Obion	8,033	18,503	118	<10	21149	205

Table 4-200. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Lake	18	18	3.3	15.6
Obion	67.6	67.6	4.4	20.8

Table 4-201. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.19
Wheat (Close Grown Cropland)	5.44
Soybeans (Row Crops)	5.06
Cotton (Row Crops)	3.99
Rice (Close Grown Cropland)	3.81
Corn (Row Crops)	2.92
Sorghum (Row Crops)	2.29
Farmsteads and Ranch Headquarters	1.86
Conservation Reserve Program Land	0.94
Grass (Pastureland)	0.69
Grass Forbs Legumes Mixed (Pastureland)	0.44
Grass (Hayland)	0.24
Legume (Pastureland)	0.07
Other Land in Farms	0.06

Table 4-202. Annual Estimated Total Soil Loss in Subwatershed 080102020403.

4.2.II. 080102020404 (Indian Creek).

4.2.II.i. General Description.

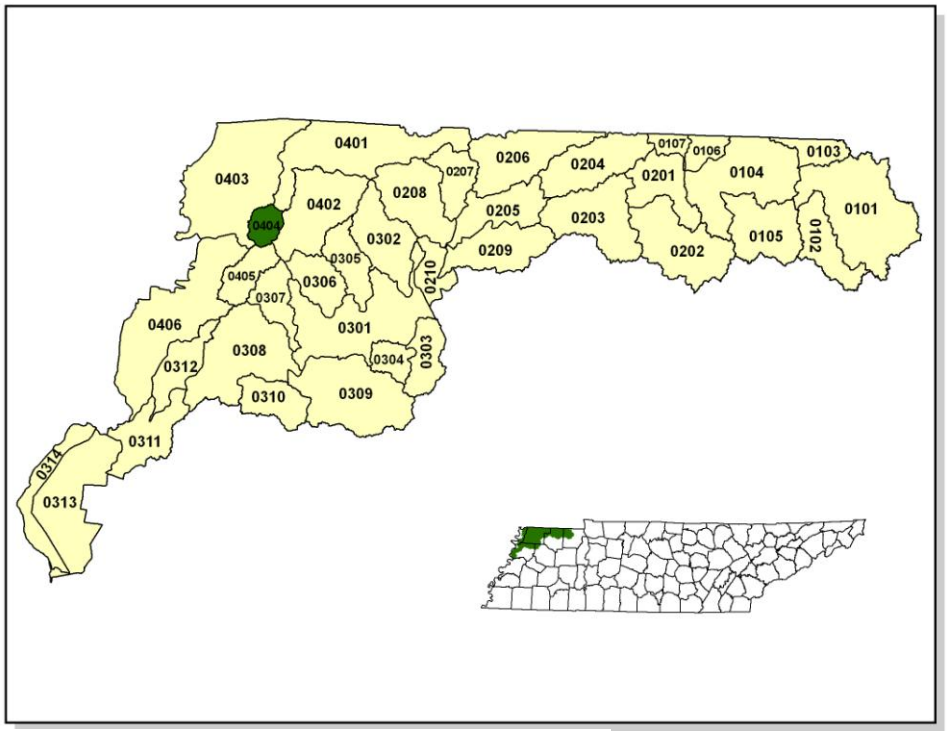

Figure 4-299. Location of Subwatershed 080102020404. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

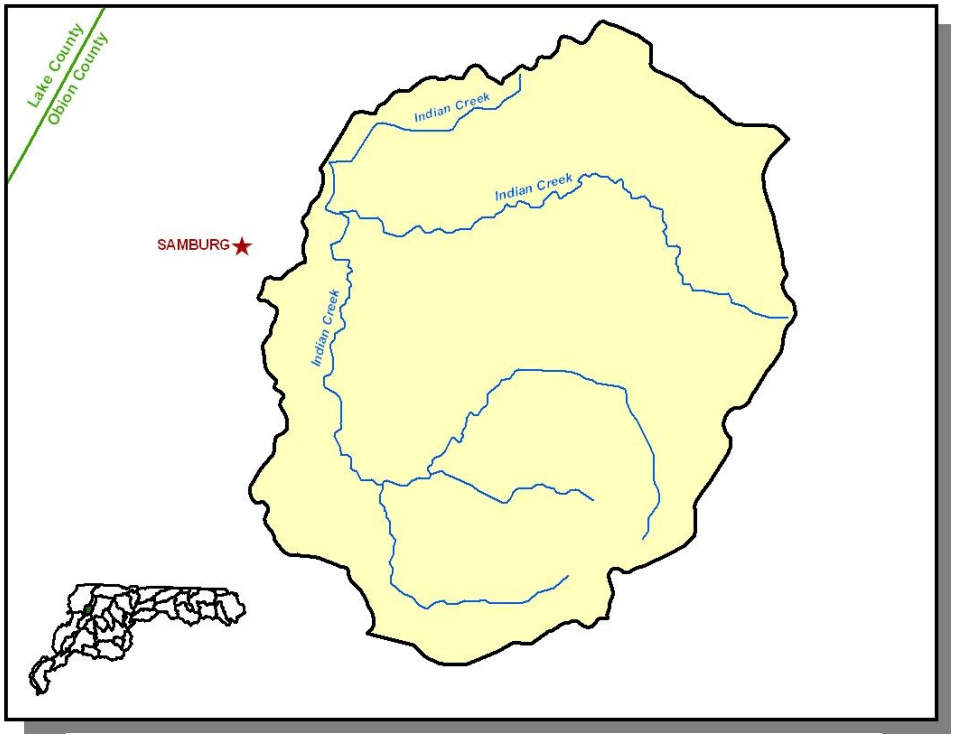

Figure 4-300. Locational Details of Subwatershed 080102020404.

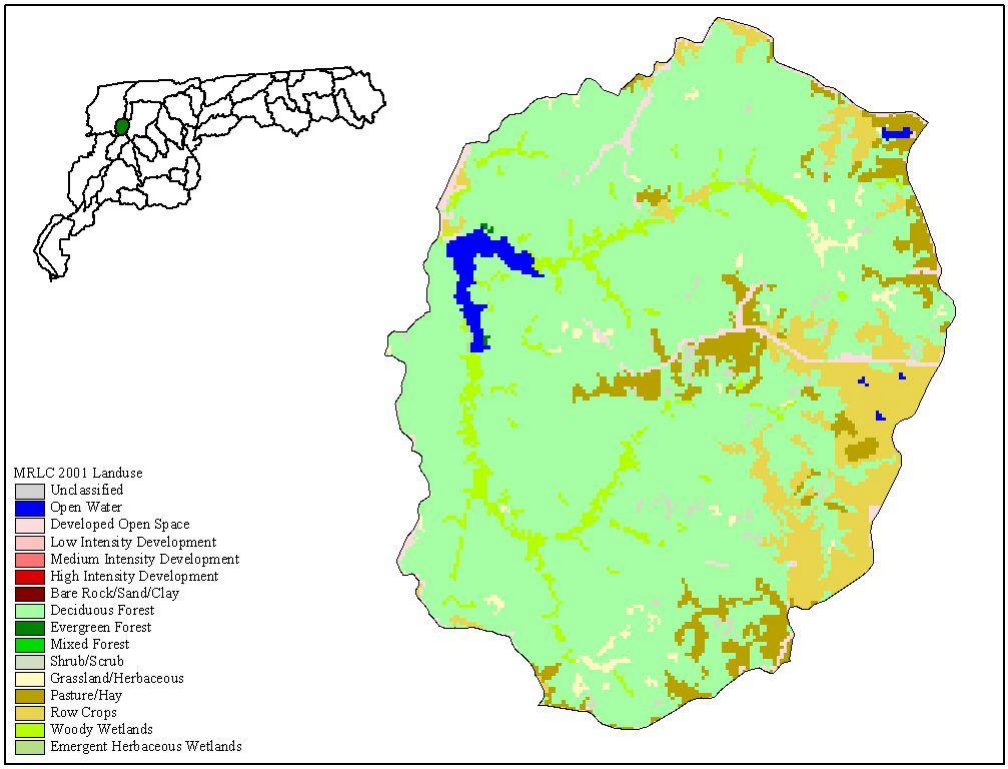

Figure 4-301. Illustration of Land Use Distribution in Subwatershed 080102020404.

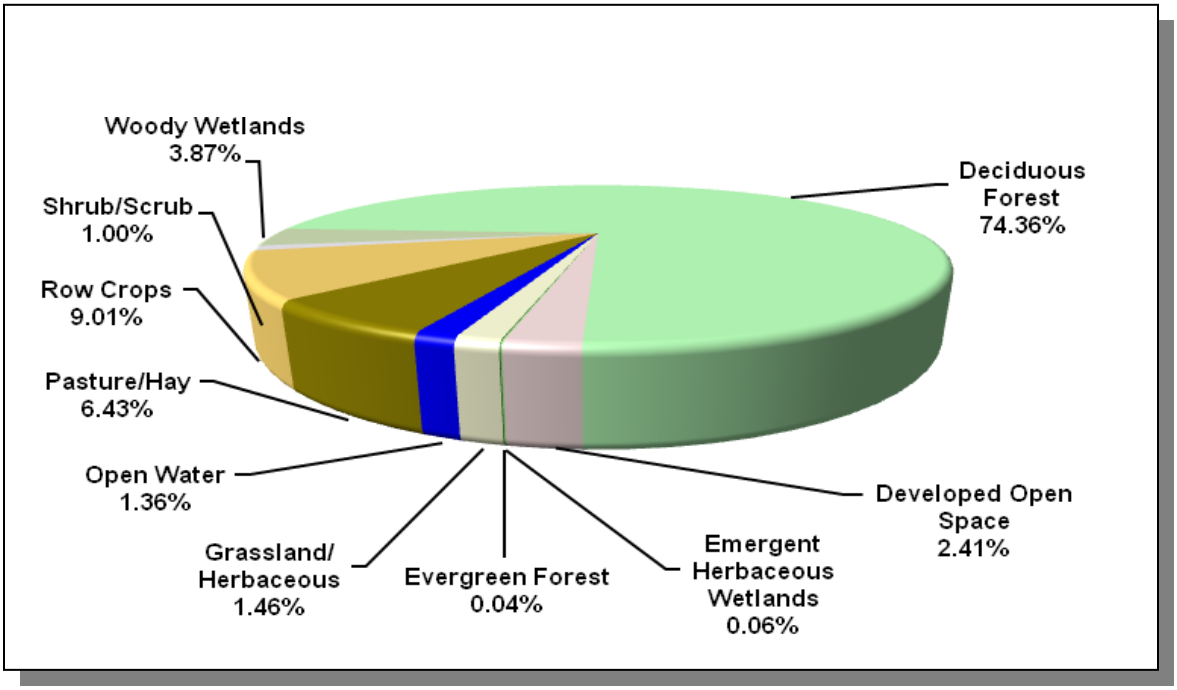

Figure 4-302. Land Use Distribution in Subwatershed 080102020404. *More information is provided in Appendix IV.*

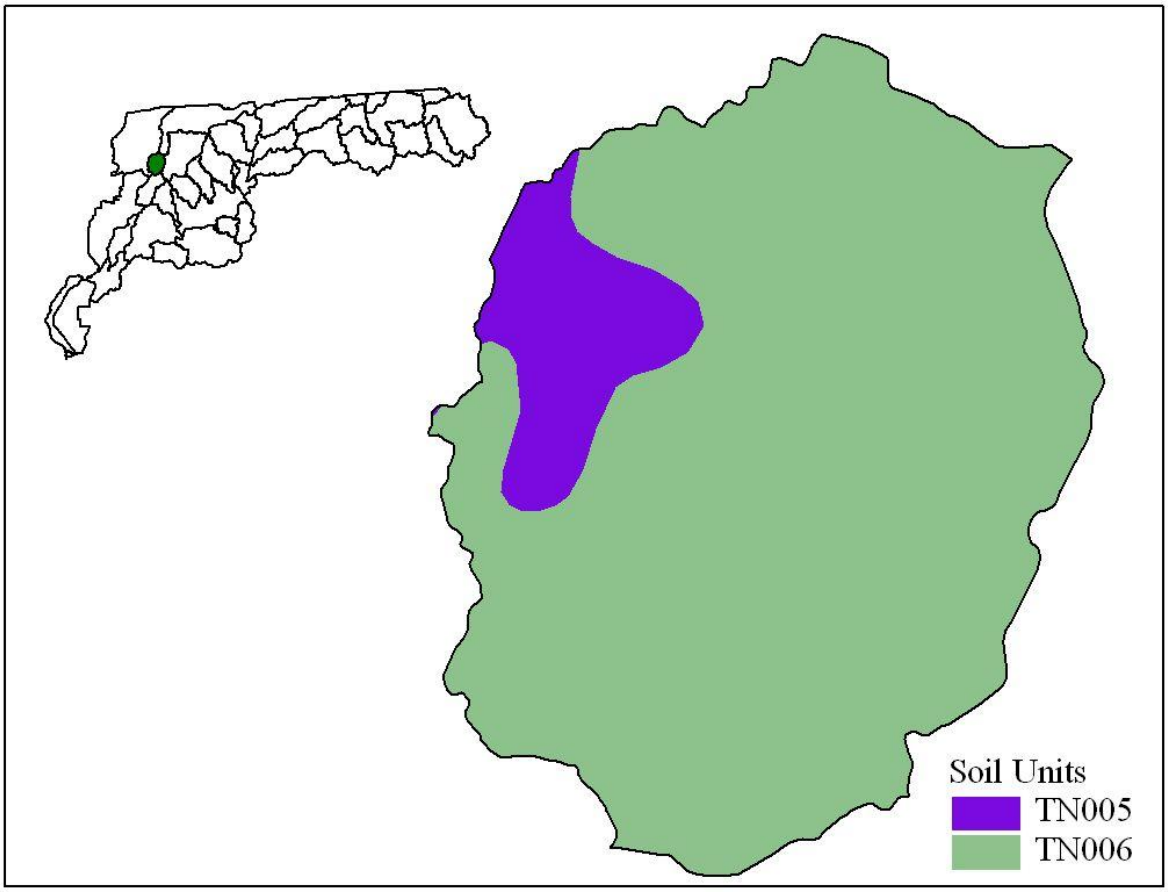

Figure 4-303. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020404.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48

Table 4-203. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020404. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	1.5	476	481	487	2.3

Table 4-204. Population Estimates in Subwatershed 080102020404.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Samburg	Obion	367	196	196	0	0

Table 4-205. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020404.

4.2.II.ii. USGS Gaging Stations and STORET Sites.

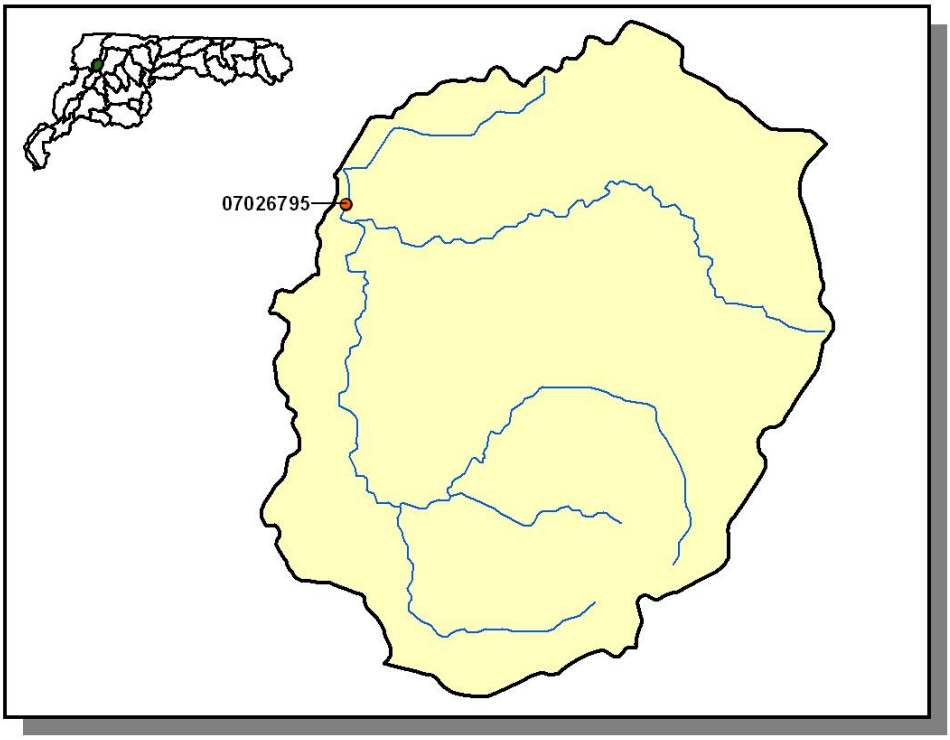

Figure 4-304. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020404. *More information is provided in Appendix IV.*

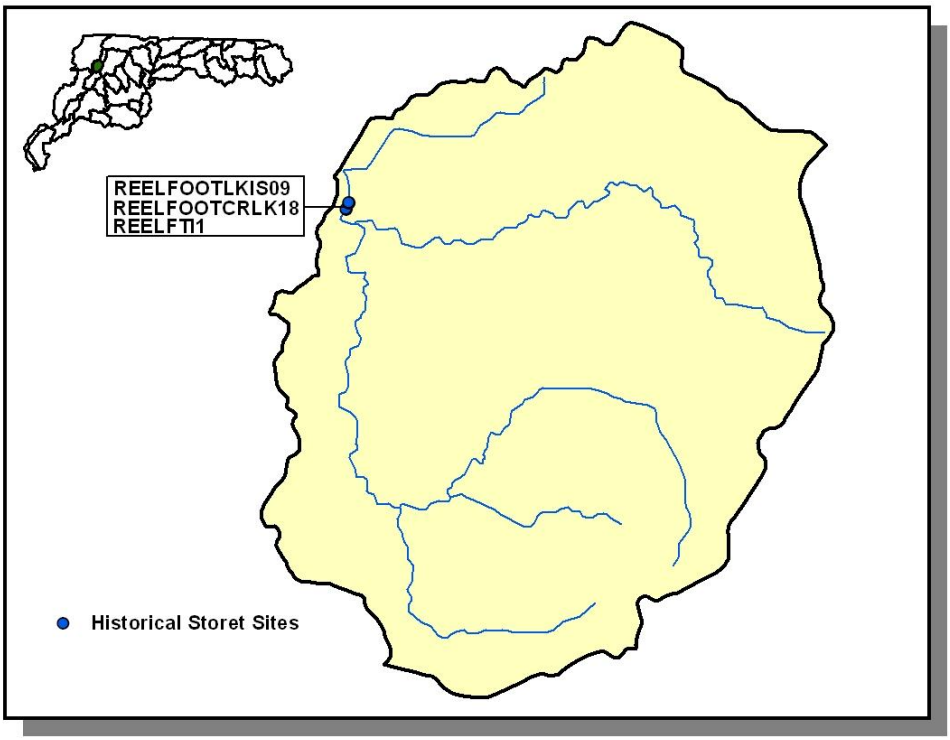

Figure 4-305. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020404. *More information, including site names and locations, is provided in Appendix IV.*

4.2.II.iiii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020404 as of June 30th, 2007.

4.2.II.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-206. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-207. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-208. Annual Estimated Total Soil Loss in Subwatershed 080102020404.

4.2.JJ. 080102020405 (Pawpaw Creek).

4.2.JJ.i. General Description.

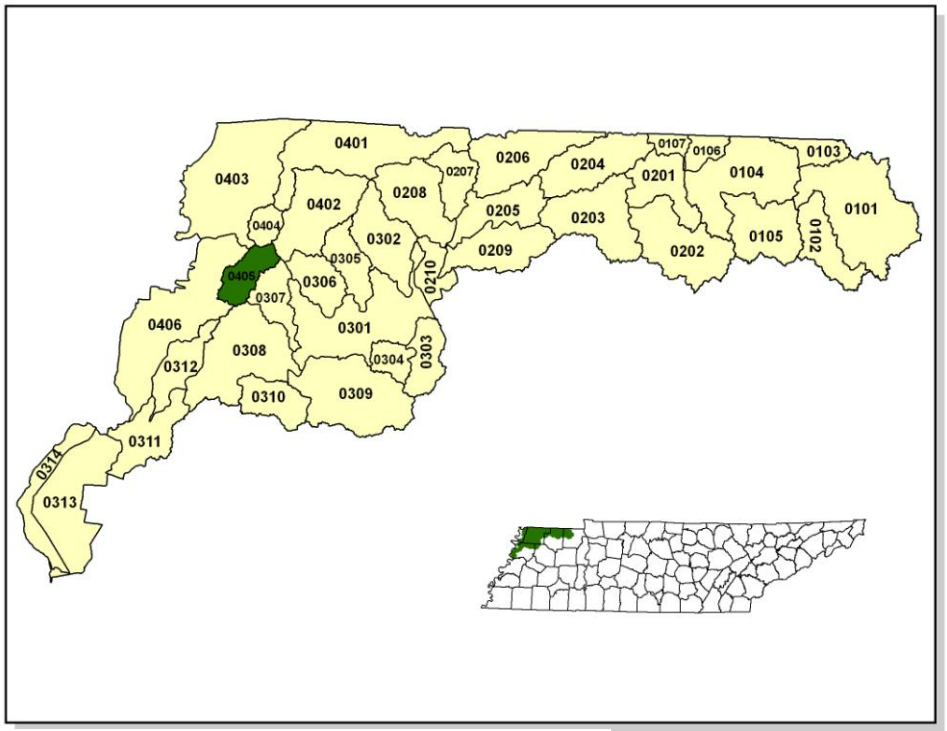

Figure 4-306. Location of Subwatershed 080102020405. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

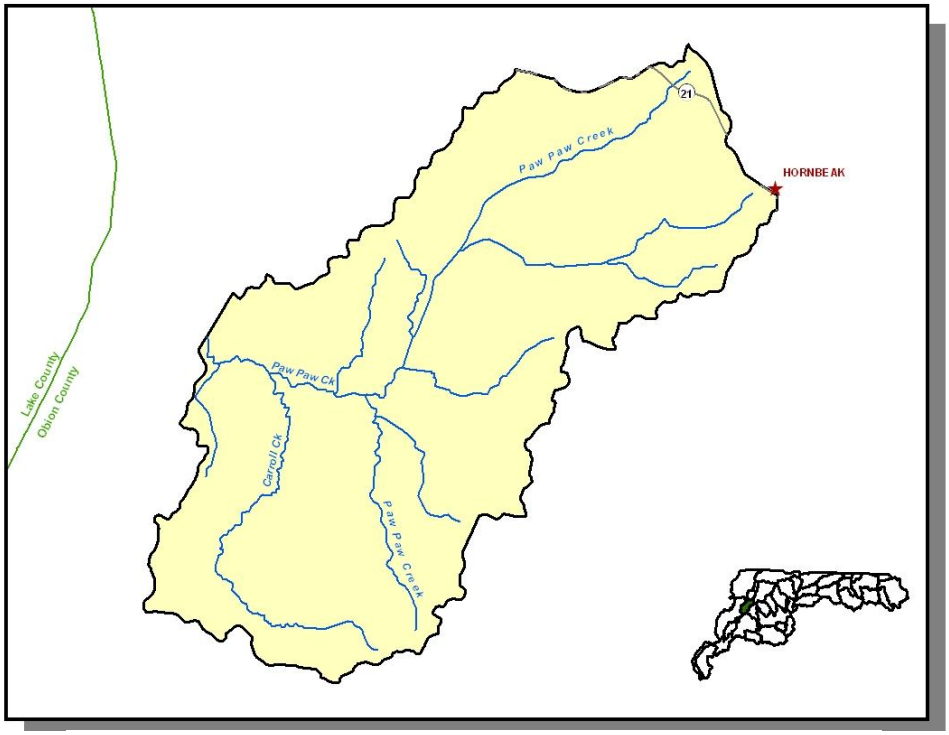

Figure 4-307. Locational Details of Subwatershed 080102020405.

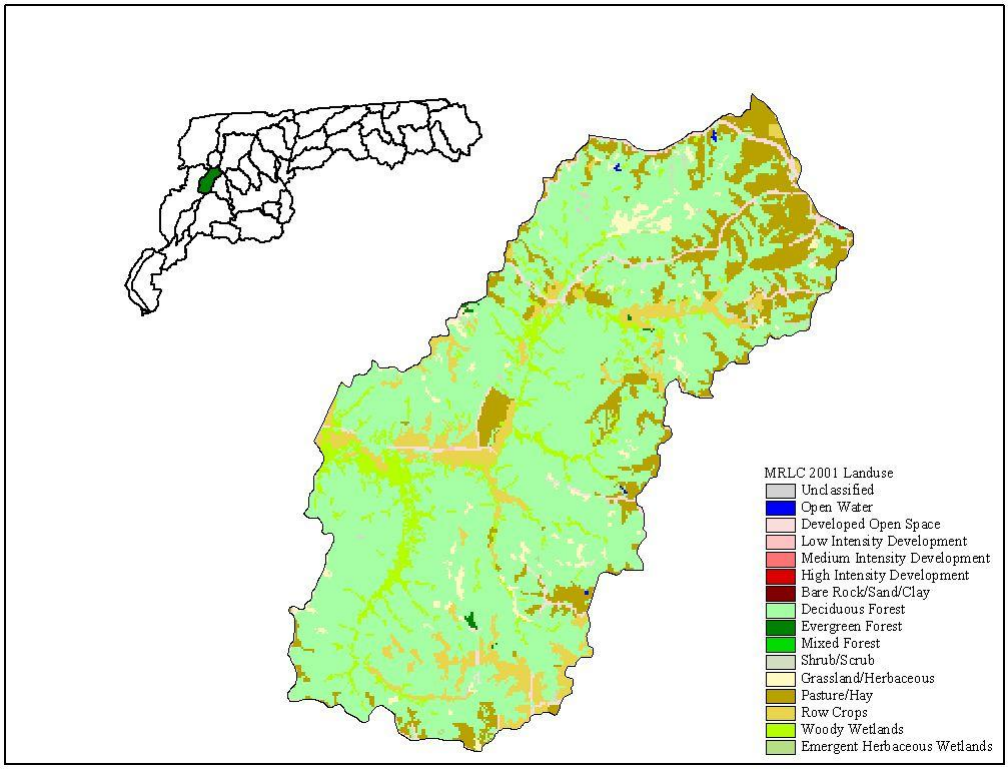

Figure 4-308. Illustration of Land Use Distribution in Subwatershed 080102020405.

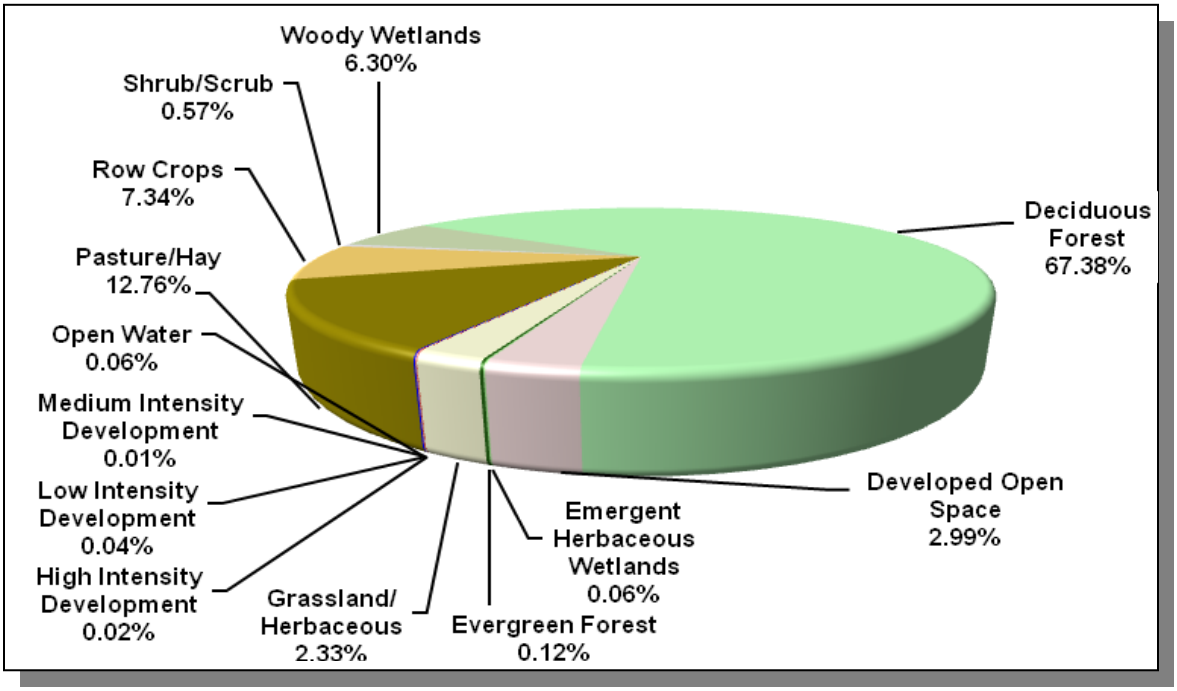

Figure 4-309. Land Use Distribution in Subwatershed 080102020405. *More information is provided in Appendix IV.*

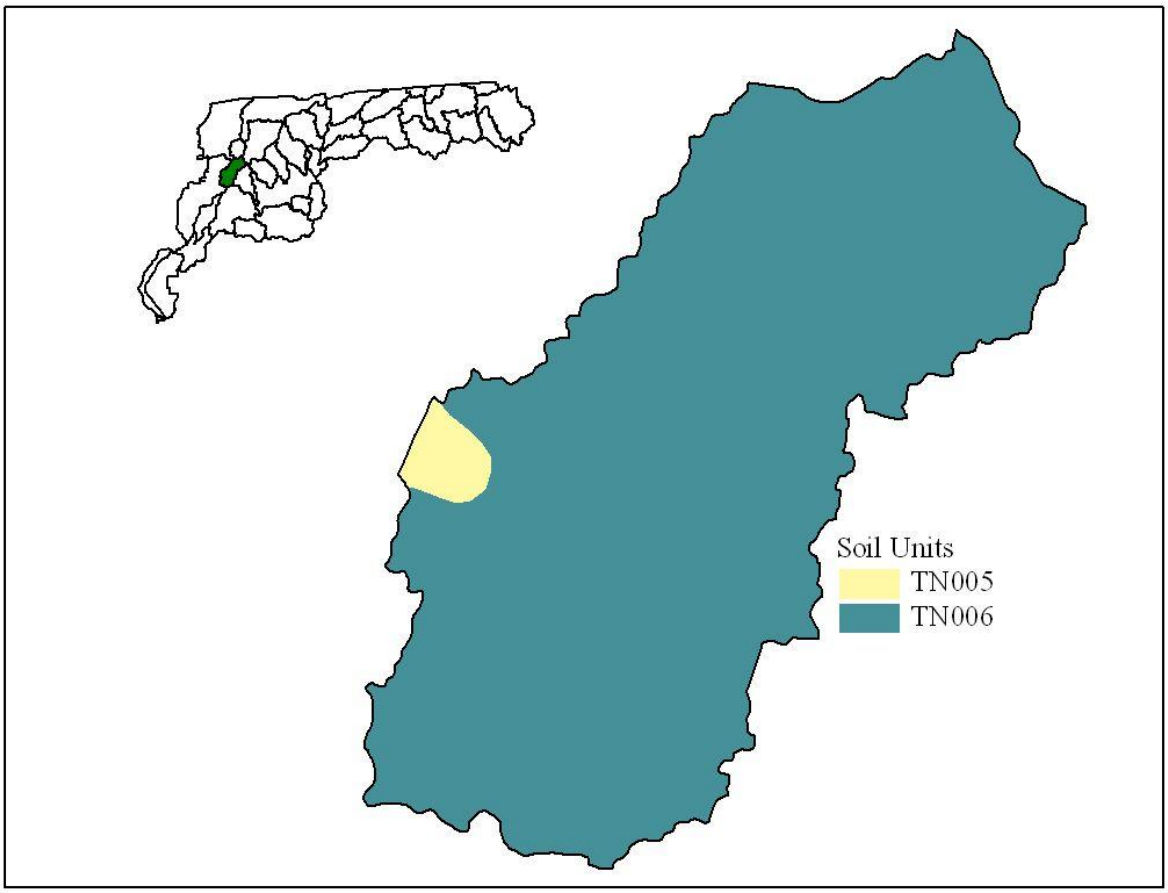

Figure 4-310. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020405.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48

Table 4-209. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020405. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Obion	31,717	32,069	32,450	2.66	844	853	863	2.30

Table 4-210. Population Estimates in Subwatershed 080102020405.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Hornbeak	Obion	472	194	12	180	2

Table 4-211. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020405.

4.2.JJ.ii. USGS Gaging Stations and STORET Sites.

There are no USGS continuous record gaging stations located in subwatershed 080102020405.

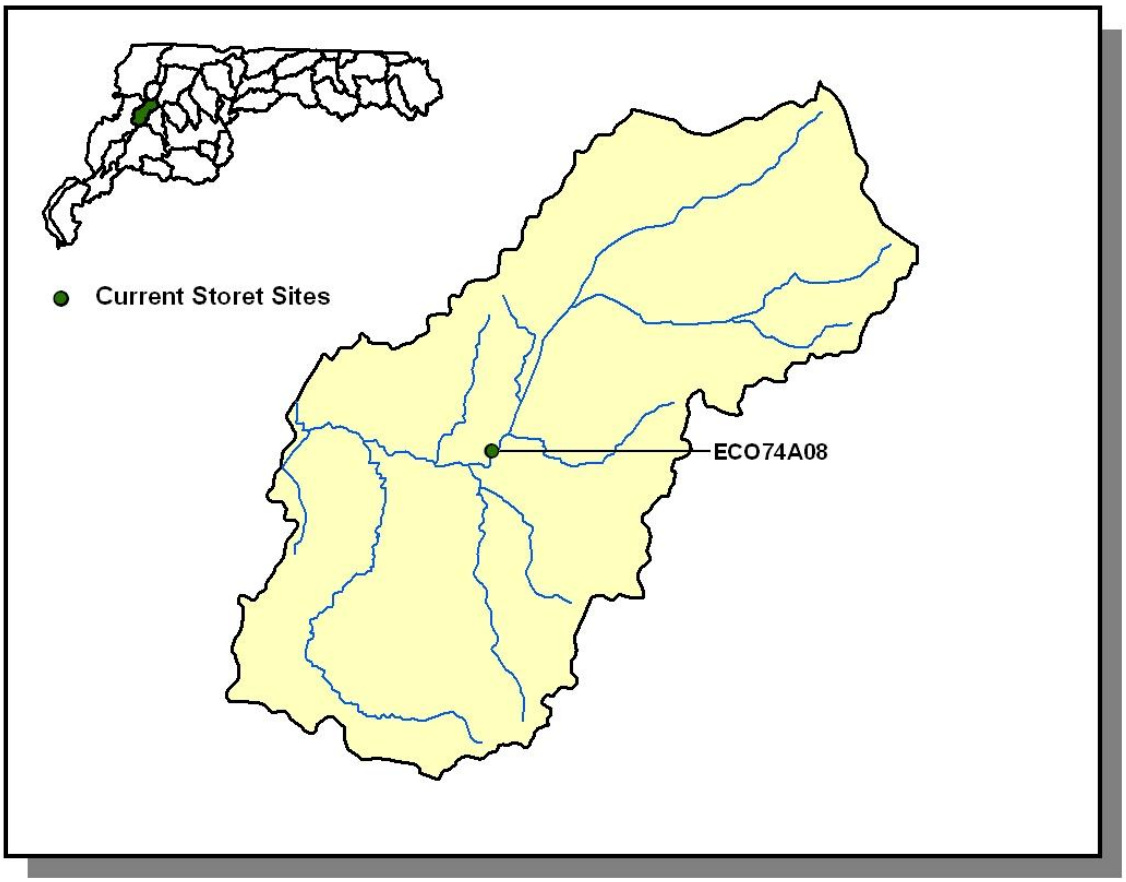

Figure 4-311. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020405. *More information, including site names and locations, is provided in Appendix IV.*

4.2.JJ.iii. Permitted Activities.

There are no permitted activities located in subwatershed 080102020405 as of June 30th, 2007.

4.2.J.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Obion	8,033	18,503	118	7	21,149	205

Table 4-212. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Obion	67.6	67.6	4.4	20.8

Table 4-213. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	14.24
Wheat (Close Grown Cropland)	9.78
Soybeans (Row Crops)	8.05
Cotton (Row Crops)	5.74
Corn (Row Crops)	4.37
Sorghum (Row Crops)	2.76
Conservation Reserve Program Land	1.92
Grass Forbs Legumes Mixed (Pastureland)	0.86
Grass (Pastureland)	0.68
Grass (Hayland)	0.48
Farmsteads and Ranch Headquarters	0.16
Legume (Pastureland)	0.07

Table 4-214. Annual Estimated Total Soil Loss in Subwatershed 080102020405.

4.2.KK. 080102020406 (Running Reelfoot Bayou).

4.2.KK.i. General Description.

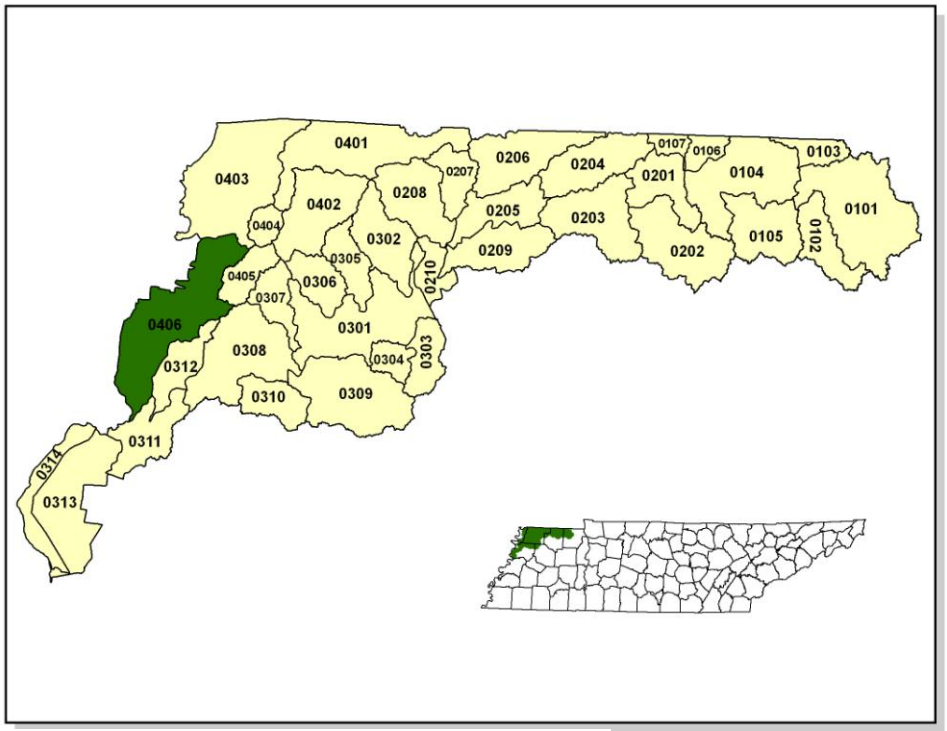

Figure 4-312. Location of Subwatershed 080102020406. *All North Fork Obion River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

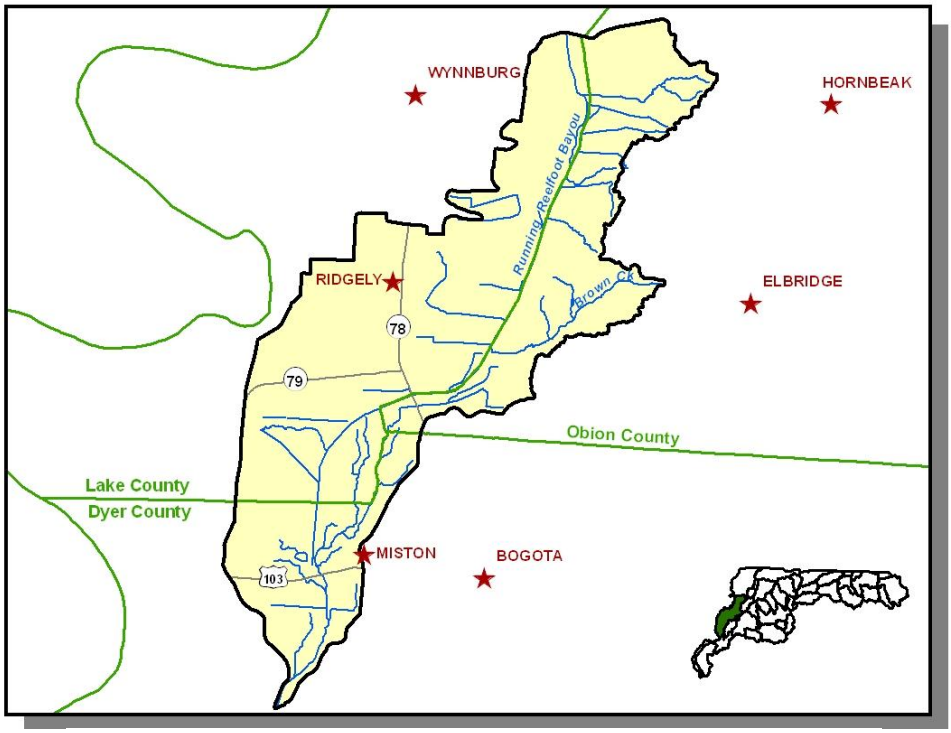

Figure 4-313. Locational Details of Subwatershed 080102020406.

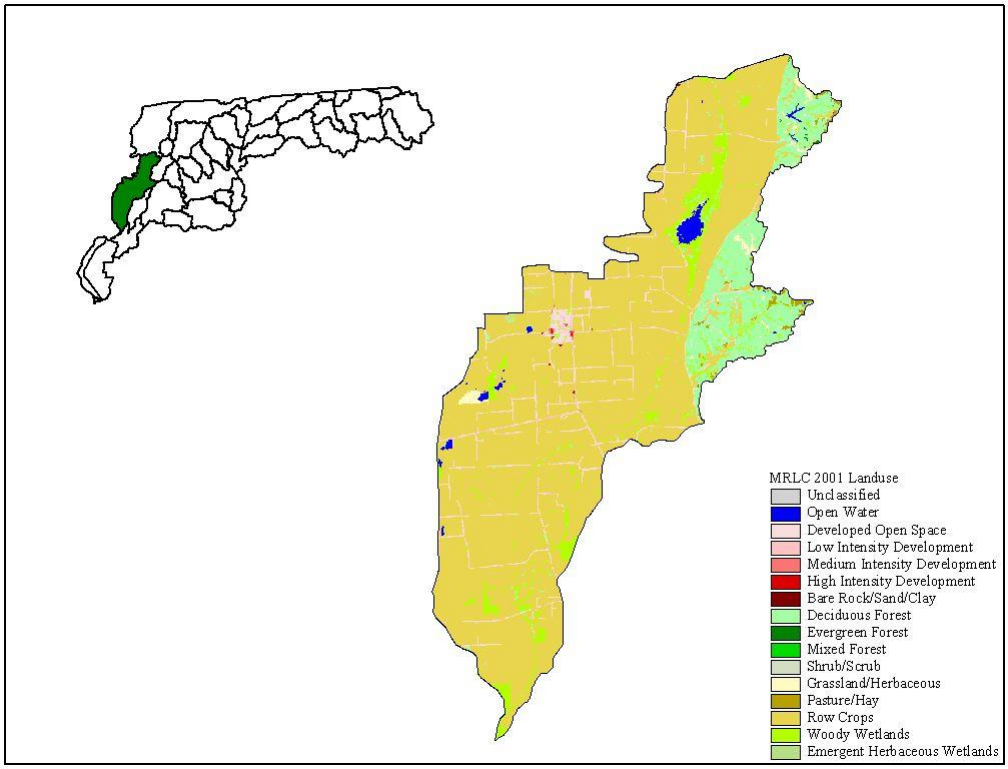

Figure 4-314. Illustration of Land Use Distribution in Subwatershed 080102020406.

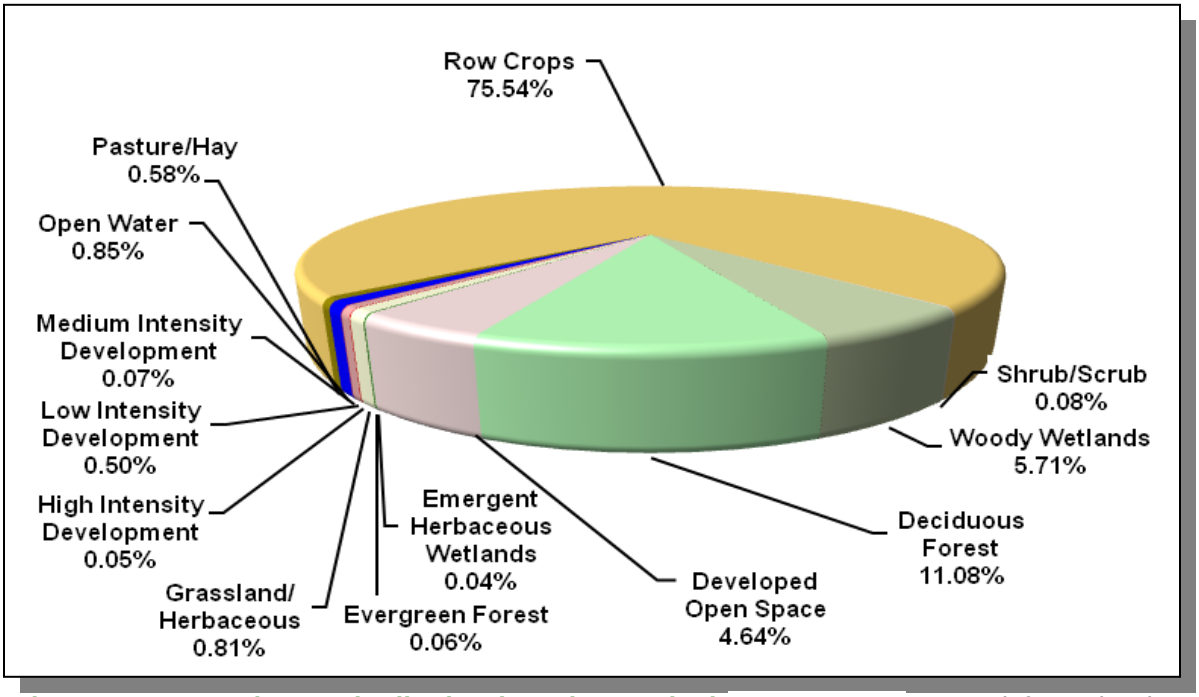

Figure 4-315. Land Use Distribution in Subwatershed 080102020406. *More information is provided in Appendix IV.*

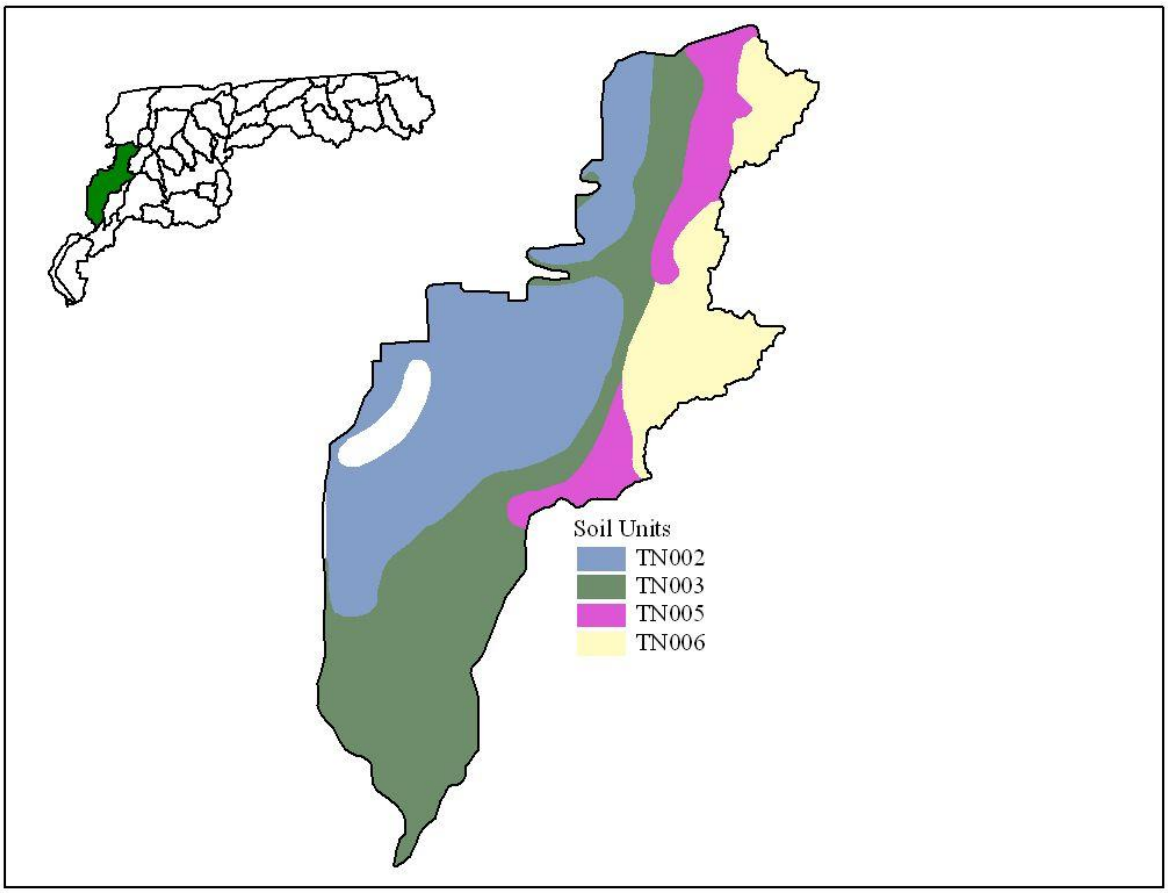

Figure 4-316. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020406.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN005	10.00	C	1.79	6.68	Silty Loam	0.41
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN002	26.00	C	2.02	6.52	Silty Clay Loam	0.34

Table 4-215. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102020406. *The definition of "Hydrologic Group" is provided in Appendix IV.*

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	% of County in Watershed	1990	1997	2000	% Change (1990-2000)
Dyer	34,854	36,465	37,279	2.35	819	857	876	7.00
Lake	7,129	8,177	7,954	17.88	1,275	1,462	1,423	11.60
Obion	31,717	32,069	32,450	3.760	1,191	1,204	1,219	2.40
Totals	**73,700**	**76,711**	**77,683**		**3,285**	**3,523**	**3,518**	**7.10**

Table 4-216. Population Estimates in Subwatershed 080102020406.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Ridgely	Lake	1,775	723	721	2	0

Table 4-217. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102020406.

4.2.KK.ii. USGS Gaging Stations and STORET Sites.

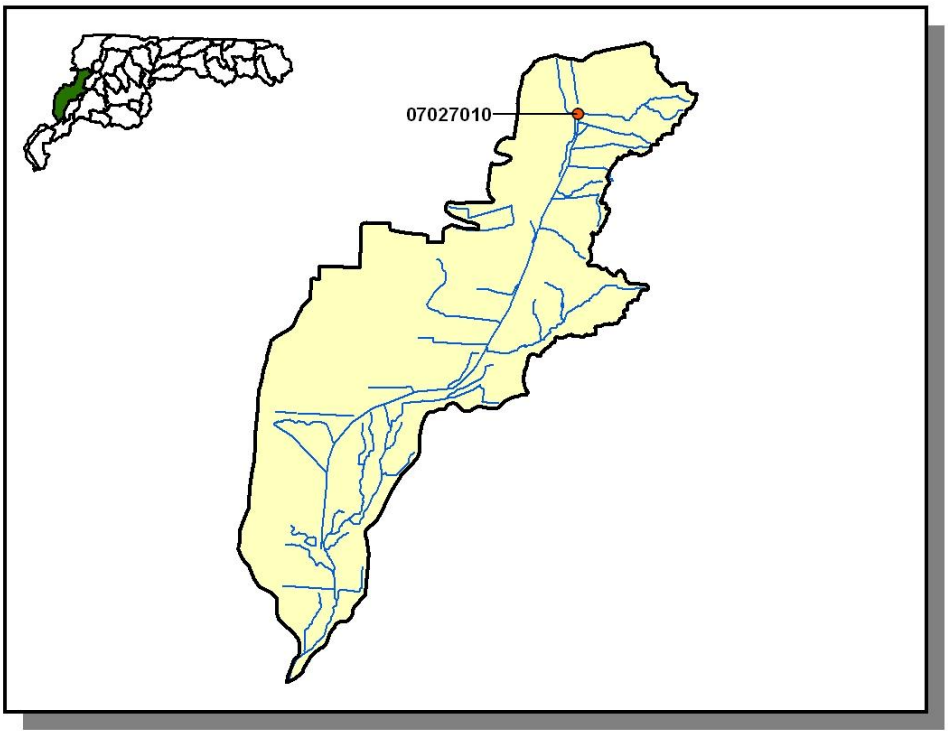

Figure 4-317. Location of USGS Continuous Record Gaging Stations in Subwatershed 080102020406. *More information is provided in Appendix IV.*

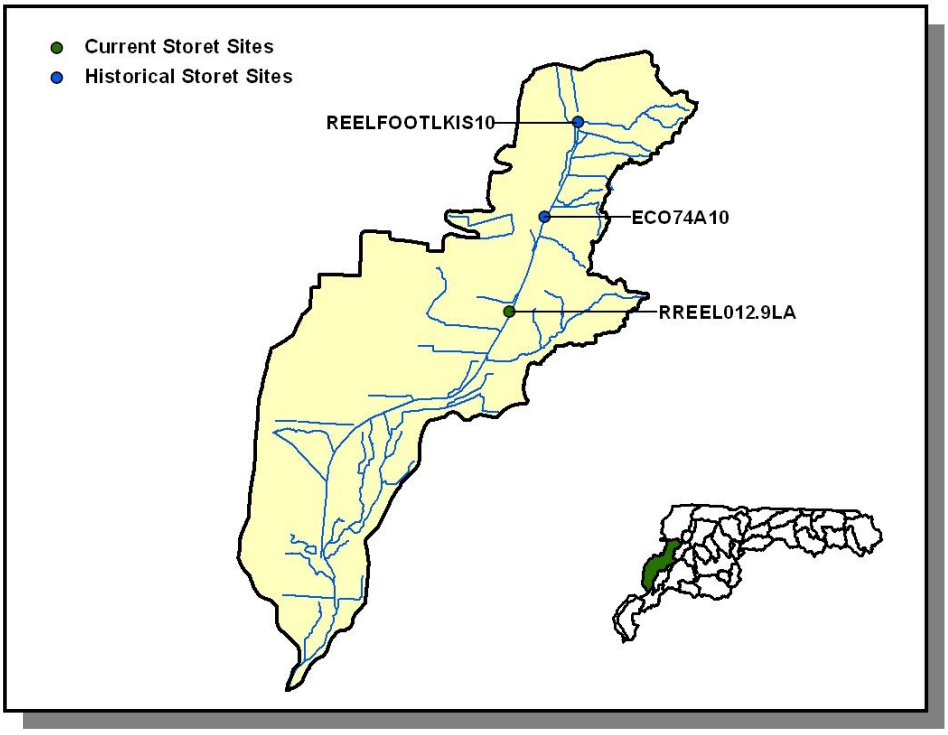

Figure 4-318. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102020406. *More information, including site names and locations, is provided in Appendix IV.*

4.2.KK.iii. Permitted Activities.

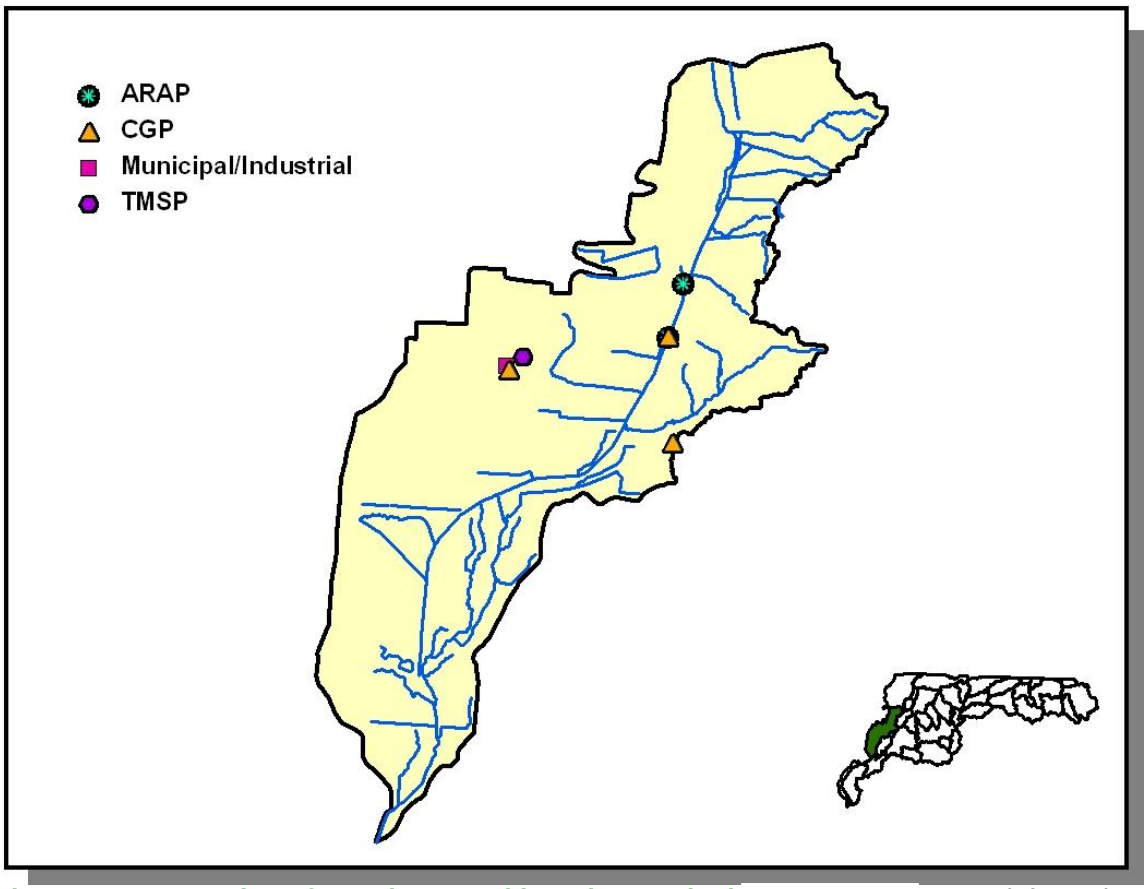

Figure 4-319. Location of Permits Issued in Subwatershed 080102020406. *More information, including the names of facilities, is provided in Appendix IV.*

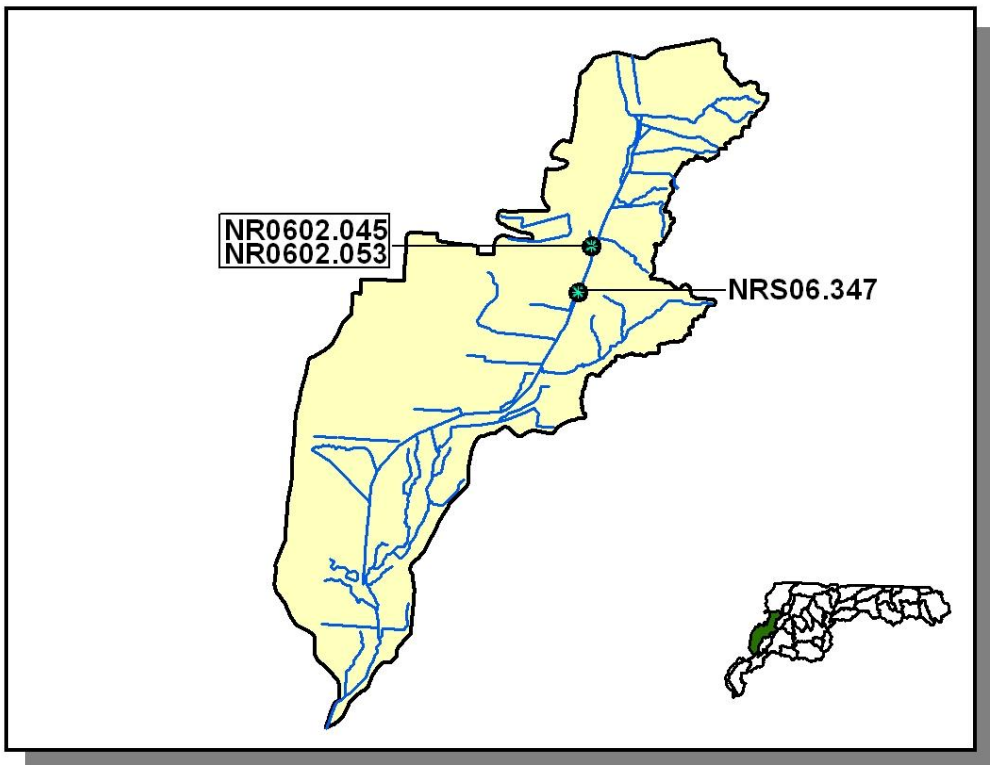

Figure 4-320. Location of ARAP (Aquatic Resource Alteration Permit) Sites in Subwatershed 080102020406. *More information is provided in Appendix IV.*

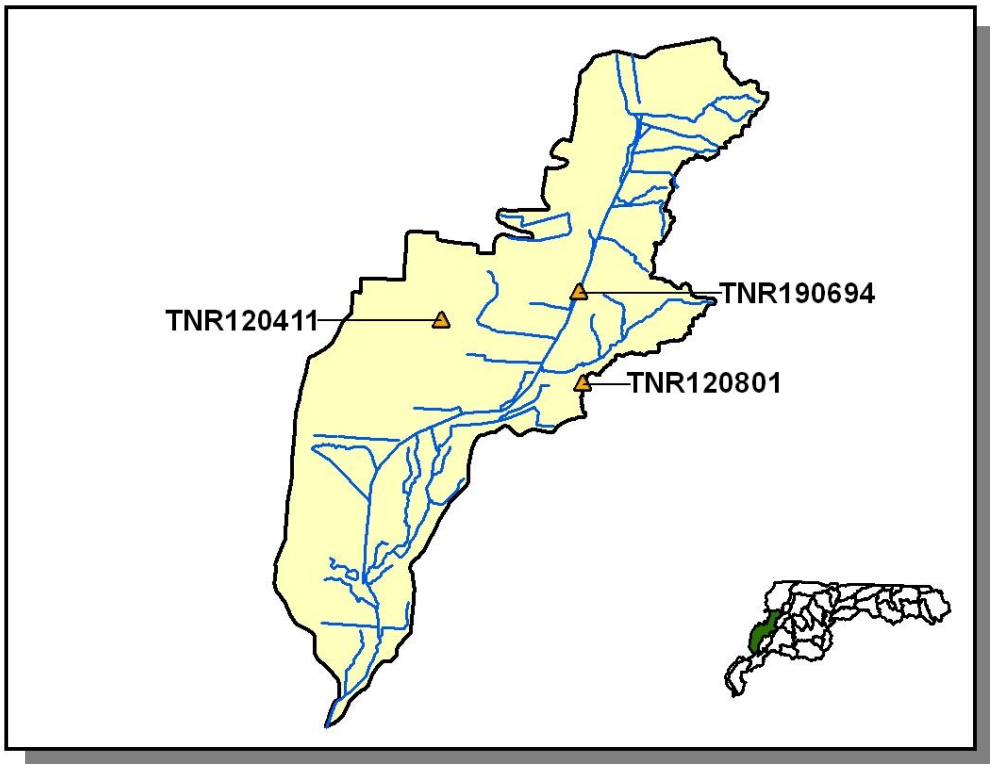

Figure 4-321. Location of CGP (Construction General Permit) Sites in Subwatershed 080102020406. *More information is provided in Appendix IV.*

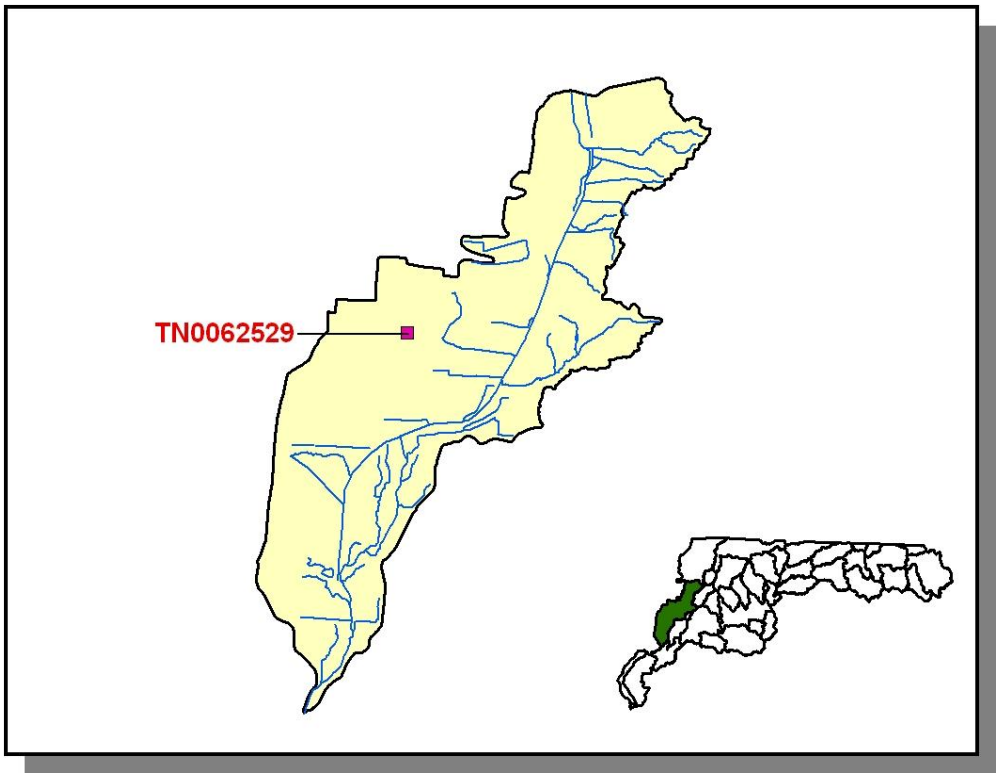

Figure 4-322. Location of Permitted Municipal and Industrial Facilities in Subwatershed 080102020406. *Permit numbers in red indicate that the facility discharges to a stream listed on the 2006 303(d) list. More information, including the name of the facility is provided in Appendix IV.*

PERMIT #	1Q10	DISCHARGE FLOW
TN0062529	67,000.0	0.2

Table 4-218. Receiving Stream Flow Information Used for Limit Calculations for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020406.

PERMIT #	BOD_5	BOD % REMOVAL	TRC	DO	SS	TSS	pH	E. *coli*	FLOW
TN0062529	X	X	X	X	X	X	X	X	X

Table 4-219. Parameters Monitored for Limits for NPDES Dischargers to Waterbodies Listed on the 2006 303(d) List in Subwatershed 080102020406. *BOD_5, Biochemical Oxygen Demand (5-day); TRC, Total Residual Chlorine; DO, Dissolved Oxygen; SS, Settleable Solids; TSS, Total Suspended Solids.*

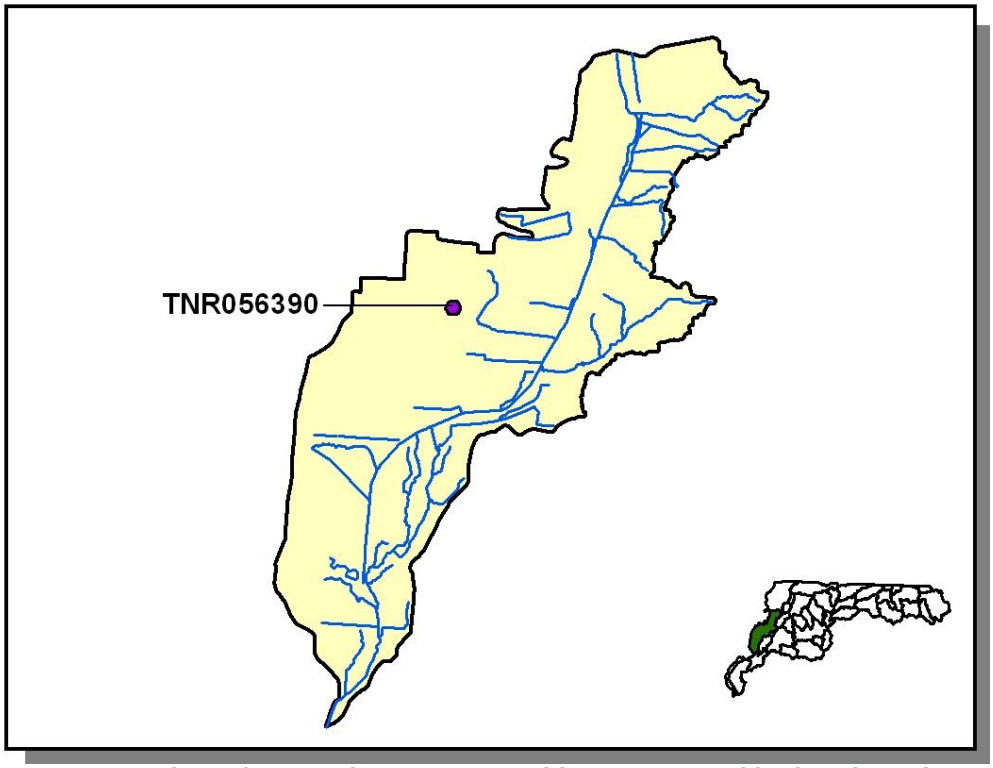

Figure 4-323. Location of TMSP (Tennessee Multi Sector Permit) Sites in Subwatershed 080102020406. *More information is provided in Appendix IV.*

4.2.KK.iv. Nonpoint Source Contributions.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Dyer		10,982		12	1,311	
Lake	641	986				
Obion	8,033	18,503	118	7	21,149	205

Table 4-220. Summary of Livestock Count Estimates by County. *According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dyer	40.4	40.4	0.8	2.8

Table 4-221. Forest Acreage and Annual Removal Rates (1987-1994) by County.

CROPS	TONS/ACRE/YEAR
Other Cropland not Planted	9.46
Soybeans (Row Crops)	4.72
Wheat (Close Grown Cropland)	4.53
Cotton (Row Crops)	3.97
Corn (Row Crops)	3.52
Oats (Close Grown Cropland)	3.34
Sorghum (Row Crops)	2.87
Farmsteads and Ranch Headquarters	1.99
Grass (Pastureland)	1.04
Conservation Reserve Program Land	0.70
Grass Forbs Legumes Mixed (Pastureland)	0.36
Grass (Hayland)	0.19
Legume (Pastureland)	0.07
Other Land in Farms	0.06

Table 4-222. Annual Estimated Total Soil Loss in Subwatershed 080102020406.